

CardConnect iFrame Personalizations for Oracle R12

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CardConnect IFRAME Personalization for iReceivables

This document is intended to serve as a guide to enable an XXPPS personalization to use an embedded IFRAME to prevent credit card numbers from being entered directly into the New Credit Card form under:

- iReceivables -> Customer -> Account Summary -> Account Details -> Pay

Pre-Work

The following steps should be executed before defining the personalization:

1. Set Profile Option: FND: Personalization Region Link Enabled = Yes
2. Set Profile Option: Personalize Self-Service Defn = Yes

Approach

The general approach to installing or enabling this personalization relies on the following 5 steps:

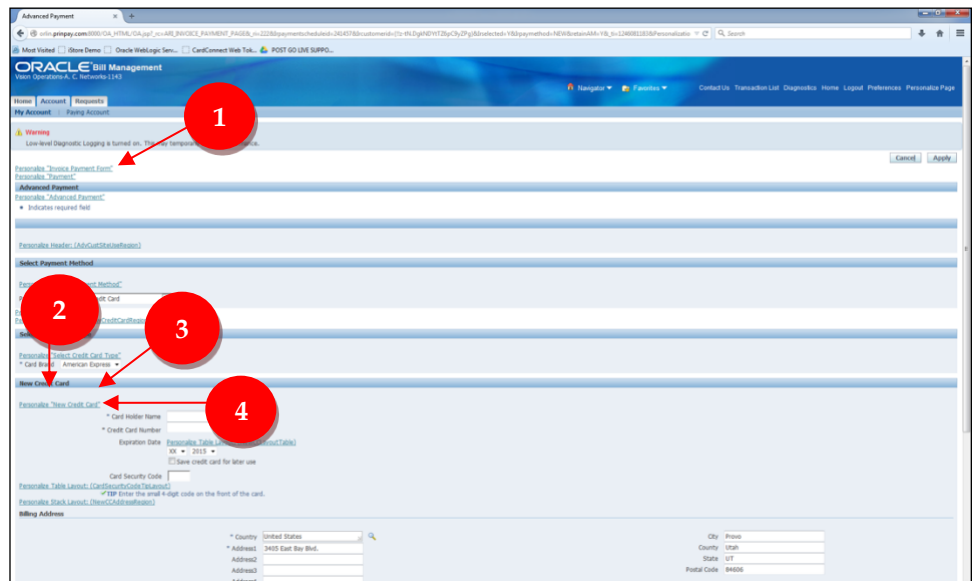
1. Insert JavaScript function definitions into the header of the target page
2. Hide existing Oracle credit card number field
3. Add IFRAME tag to embed new credit card number field into page
4. Add a small script to hide elements and override onblur events
5. Deploy html page for nested IFRAME source on CardConnect server

Please note: elements rendered in **red** in this document are location or server dependent. Please be sure to update these values if the filenames, servernames or deployment locations change.

Page Layout

First let's examine the page and identify points for integration. Items 1 through 4 above will be addressed as follows:

1. Personalization at page header to embed function definitions
2. Personalization in New Credit Card region for IFRAME, hide of cc field and onblur override

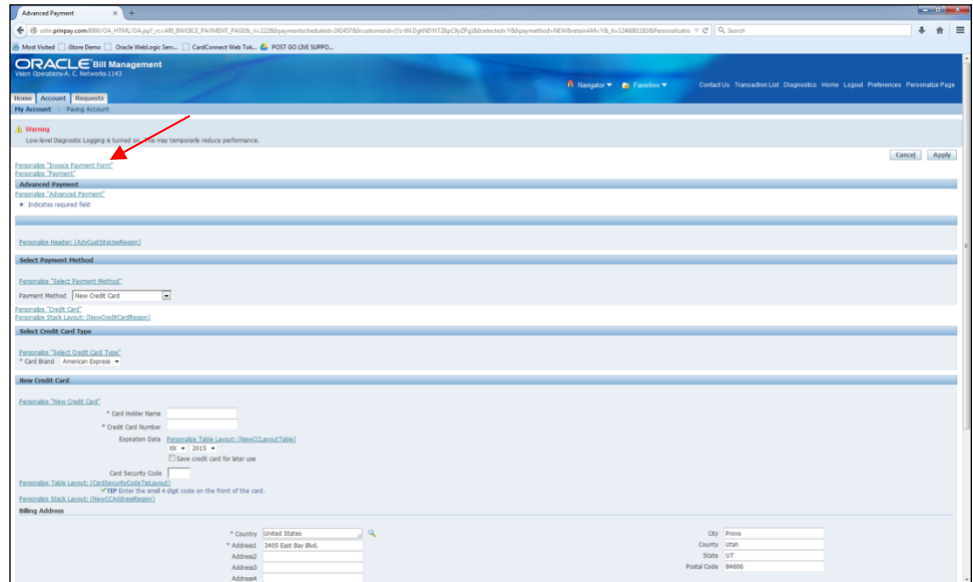


Installation

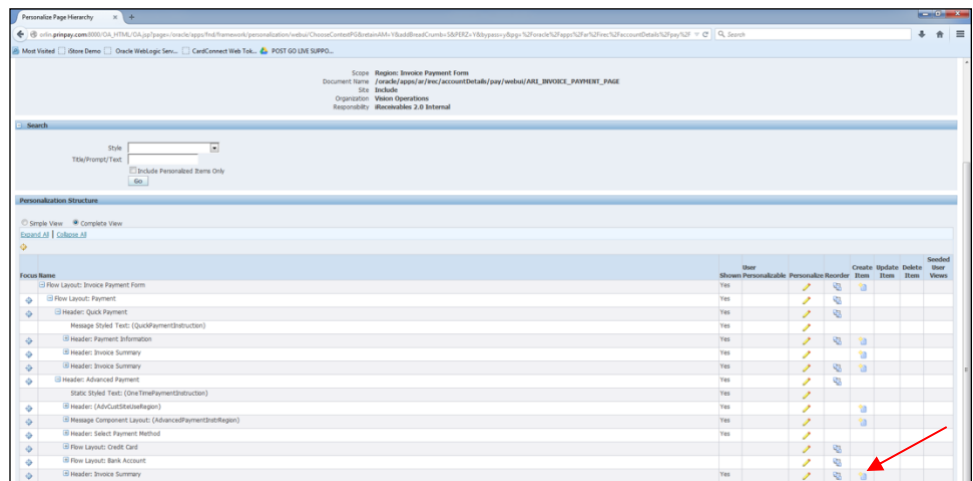
Embedding JavaScript Function Definitions

We will begin with the steps required to enable the personalization for embedding the JavaScript function definitions. To enable this personalization, please perform the following steps:

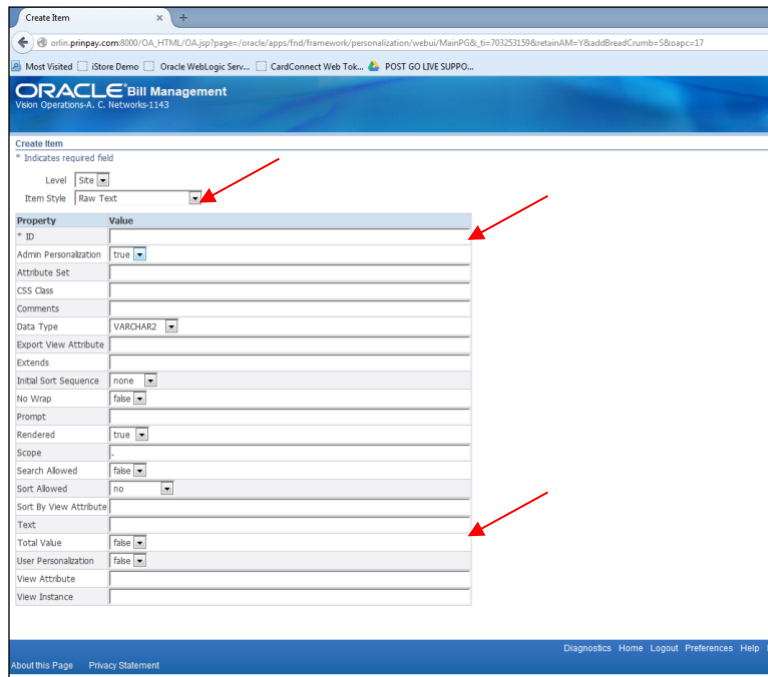
1. Visit the targeted page
2. Click on the Personalize “Invoice Payment Form” link as illustrated below:



3. Click on the Create Item icon next to the Invoice Summary element



4. Fill in the following details on the Create Item form:



Property	Value
Item Style	Raw Text
ID	xxppsARIFRAMEScript
Text	Copy and paste in the entire script below: Note: The URL is red should be tweaked for your implementation by replacing <site> with your Card Connect site name. For example, in PROD the value will be <i>lion</i> but for all UAT instances it will be <i>lion-uat</i>

```

<script>
function getOptionsValue (target, targetText) {
    var optionText = "";
    var targetOptions = document.getElementById(target).options;

    for (var i = 0; i < targetOptions.length; i++) {
        optionText = targetOptions[i].text;

        if (optionText == targetText ) {
            return targetOptions[i].value;
        }
    }
    return;
}

function maintTabOrder (e) {
    var keycode = e.keyCode;

    if (keycode==9) {
        iframeWin = document.getElementById("xxppsIframe").contentWindow;
        iframeWin.postMessage("focus:ccnum", "https://<site>.cardconnect.com");
        return false;
    } else {
        return true;
    }
}

function listener(event) {

    if(event.data!=null) {
        var actionEnd = event.data.indexOf(":");
        var action = event.data.substring(0,actionEnd);

        switch(action) {

```

```

    case "focus" :
        var target = event.data.substring(actionEnd+1);
        document.getElementById(target).focus();
        break;

    case "alert" :
        var msg = event.data.substring(actionEnd+1);
        alert(msg);
        break;

    case "value" :
        var targetValuePair = event.data.substring(actionEnd+1);
        var targetEnd = targetValuePair.indexOf(":");
        var target = targetValuePair.substring(0,targetEnd);
        var value = targetValuePair.substring(targetEnd+1);

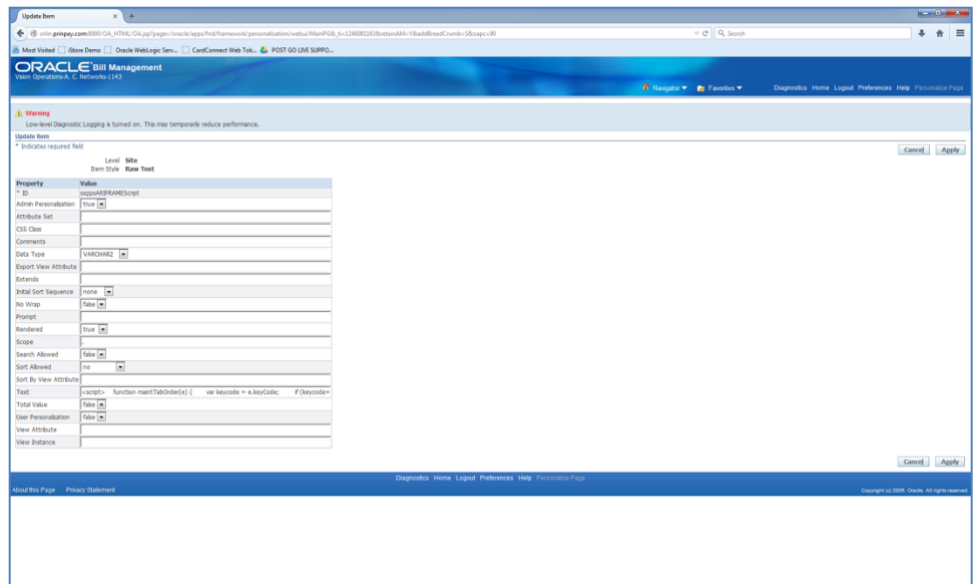
        if(value == "EMPTY") {
            document.getElementById(target).value = "";
        } else {
            if (target == "NewCreditCardExpMonth" || target == "NewCreditCardExpYear" ) {
                document.getElementById(target).value = getOptionsValue(target,value);
            } else {
                document.getElementById(target).value = value;
            }
        }

        break;
    default:
        break;
    }
}

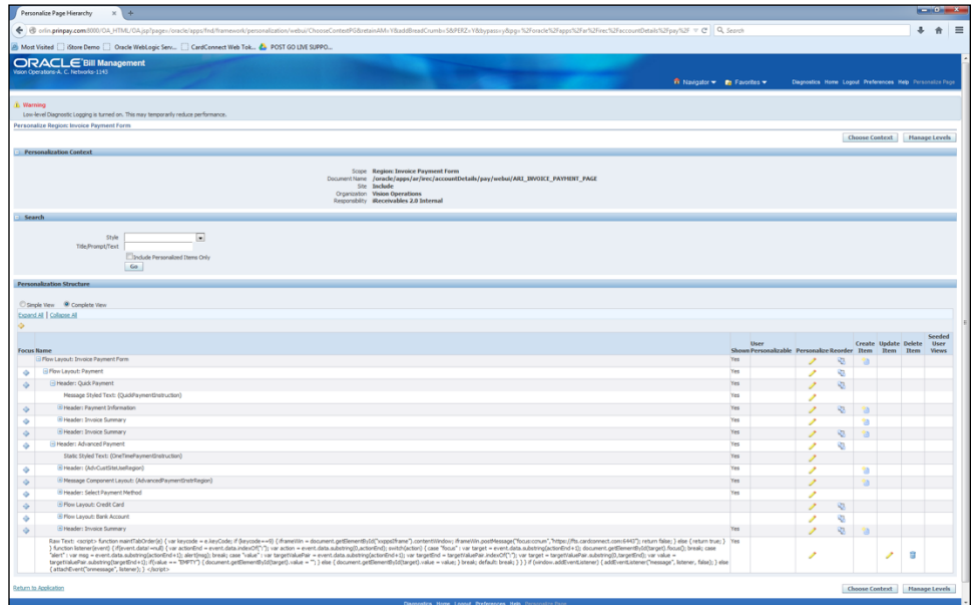
if (window.addEventListener) {
    addEventListener("message", listener, false);
} else {
    attachEvent("onmessage", listener);
}
</script>

```

5. Once complete, your page should look similar to the following:



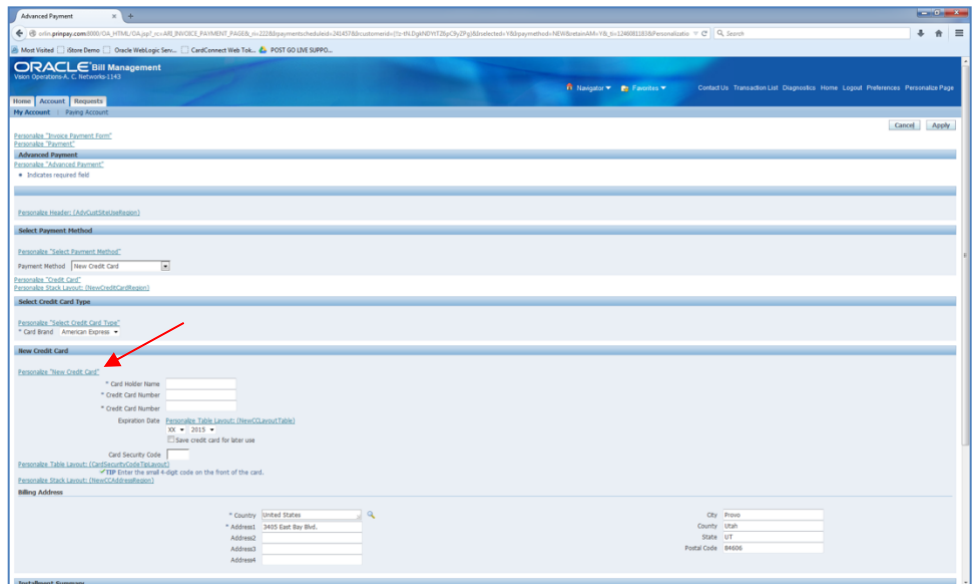
6. Click Apply



7. Click Return to Application link at the bottom of the page

Configuring Card Related Items

Now we will add the personalization items related to hiding and displaying card entry fields. If you have not already done so, please select "New Credit Card" option in the Payment Method select list.



1. Click on the Personalize "New Credit Card" link

Advanced Payment

Warning: Low-level Diagnostic Logging is turned on. This may temporarily reduce performance.

Personalize: "Invoice Payment Form"

Personalize: "Payment"

Advanced Payment

Personalize: "Advanced Payment"

Select Payment Method

Payment Method: New Credit Card

Select Credit Card Type

Card Brand: American Express

New Credit Card

Card Holder Name:

Card Number:

Expiration Date:

Card Security Code:

Billing Address

Country: United States

Address: 2455 East Bay Blvd.

City: Irvine

State: UT

Postal Code: 84606

Click on Create Item icon next to Message Component Layout element

Personalization Page Hierarchy

Search

Personalization structure

Form Name	Item Shown Personalizable	Personalize Recorder	Create Item	Update Item	Delete Item	Reorder Item View
Header: New Credit Card	Yes	Yes	Yes	Yes	Yes	Yes
Message Component Layout: (NewCreditCardLayout)	Yes	Yes	Yes	Yes	Yes	Yes
Message Input Text: (NewCreditCardText)	Yes	Yes	Yes	Yes	Yes	Yes
Message Text Input: Card Holder Name	Yes	Yes	Yes	Yes	Yes	Yes
Message Text Input: Credit Card Number	Yes	Yes	Yes	Yes	Yes	Yes

2. Fill in the following details on the Create Item form:

Create Item

Level: Site:

Item Style: Raw Text:

Property	Value
* ID	
Admin Personalization	true
Attribute Set	
CSS Class	
Comments	
Data Type	VARCHAR2
Export View Attribute	
Extends	
Initial Sort Sequence	none
No Wrap	false
Prompt	
Rendered	true
Scope	.
Search Allowed	false
Sort Allowed	no
Sort By View Attribute	
Text	
Total Value	false
User Personalization	false
View Attribute	
View Instance	

Property

Value

Item Style	Raw Text
ID	xxppsARIFRAME
Text	<p>Copy and paste in the entire script below corresponding to your environment and panpad usage replacing <site> with your Card Connect site name.</p> <p>For example, if your CardConnect site name were BobsAuto and you were not using a PanPad device, you would enter:</p> <pre><iframe id="xxppsIframe" marginwidth="0" scrolling="no" height="32" frameborder="0" src="https://bobsauto.cardconnect.com/c/ccIframeTokenizer_base.html" allowTransparency="true"></iframe></pre> <p>****Please note: The url above is only an example and should NOT be used in your deployment.</p>

DEV (Non-Swipe device):

```
<iframe id="xxppsIframe" marginwidth="0" scrolling="no" height="32" frameborder="0" src="https://<site>-uat.cardconnect.com/c/ccIframeTokenizer_base.html" allowTransparency="true"></iframe>
```

DEV (Using swipe device):

```
<iframe id="xxppsIframe" marginwidth="0" scrolling="no" height="32" frameborder="0" src="https://<site>-uat.cardconnect.com/c/ccIframeTokenizer_SWIPE_base.html" allowTransparency="true"></iframe>
```

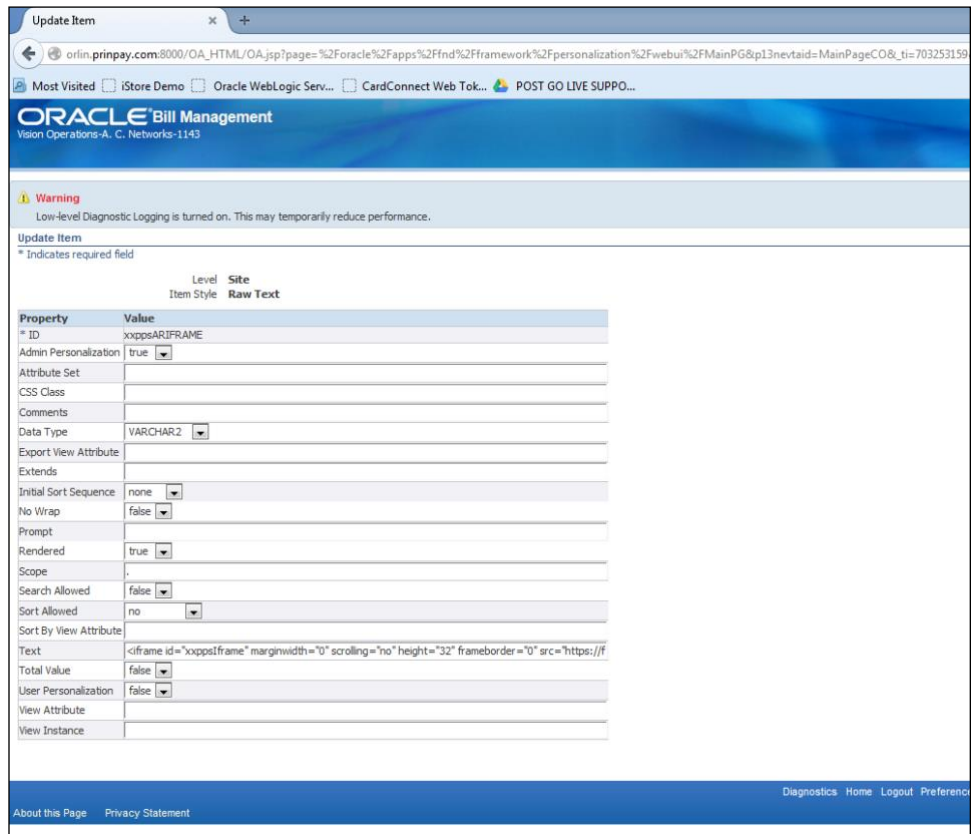
PROD (Non-Swipe device):

```
<iframe id="xxppsIframe" marginwidth="0" scrolling="no" height="32" frameborder="0" src="https://<site>.cardconnect.com/c/ccIframeTokenizer_base.html" allowTransparency="true"></iframe>
```

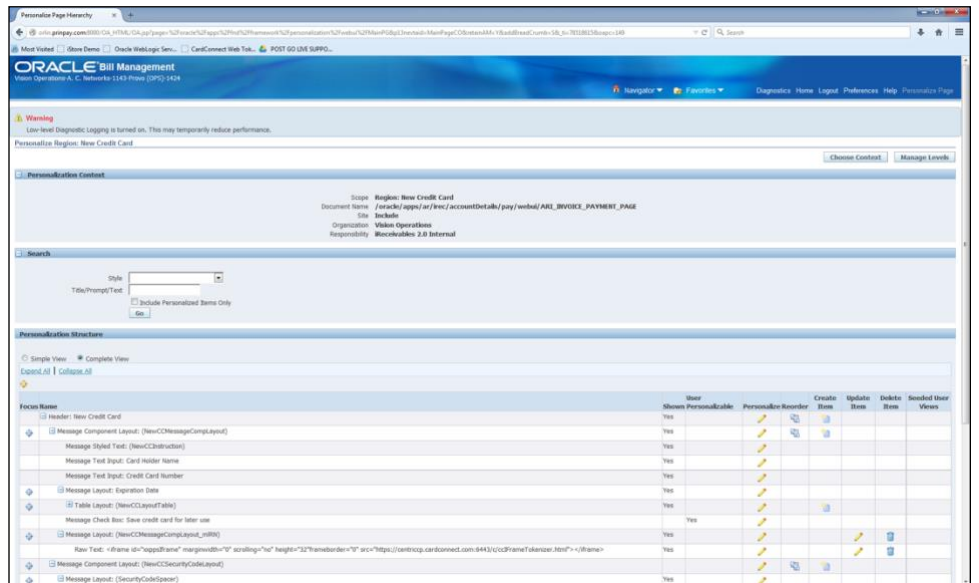
PROD (Using swipe device):

```
<iframe id="xxppsIframe" marginwidth="0" scrolling="no" height="32" frameborder="0" src="https://<site>.cardconnect.com/c/ccIframeTokenizer_SWIPE_base.html" allowTransparency="true"></iframe>
```

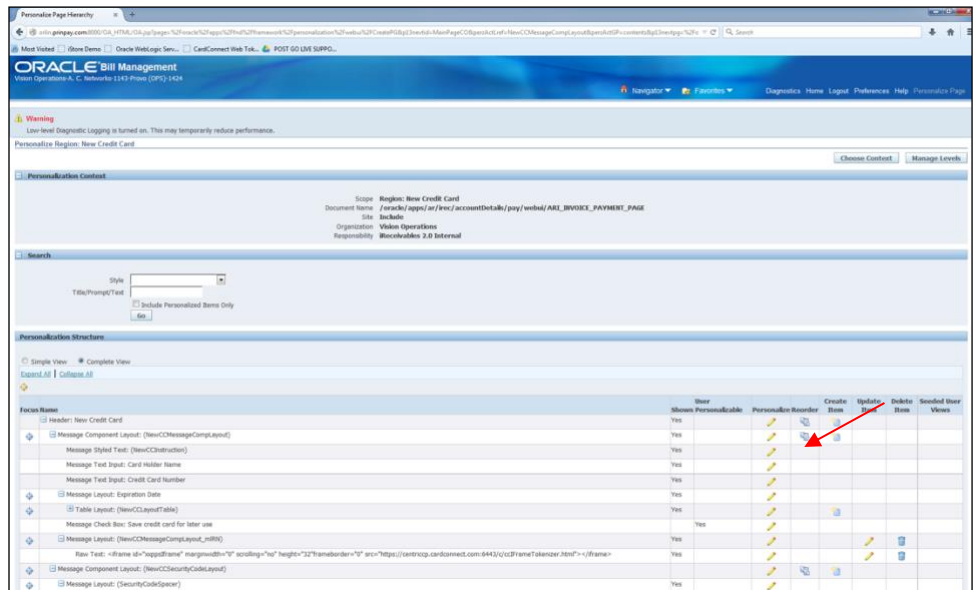
3. Once complete, your page should look similar to the following:



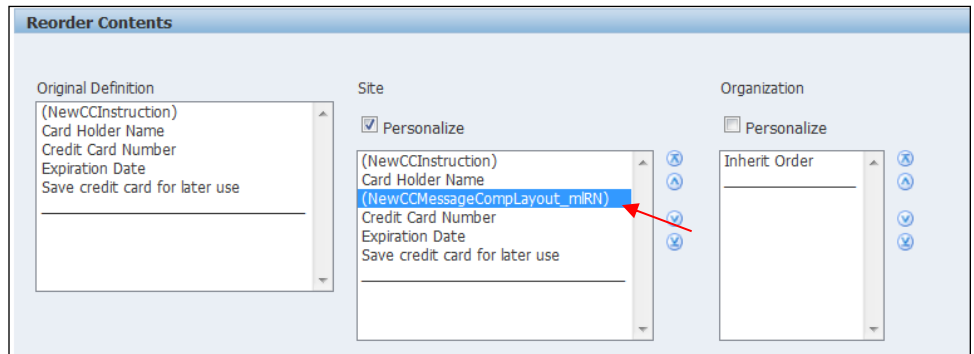
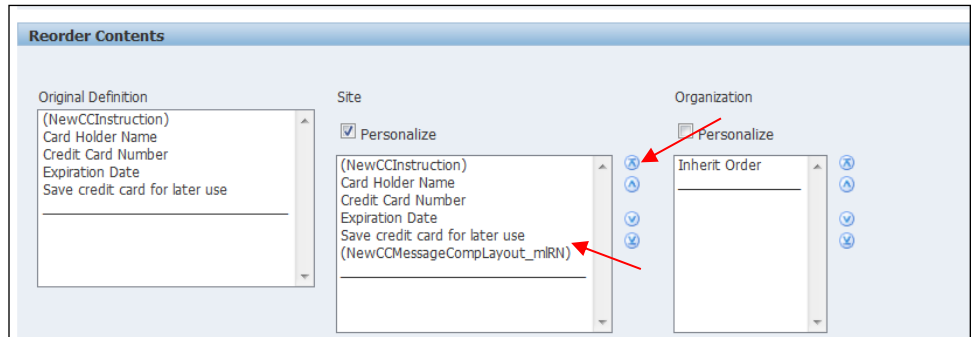
4. Click Apply



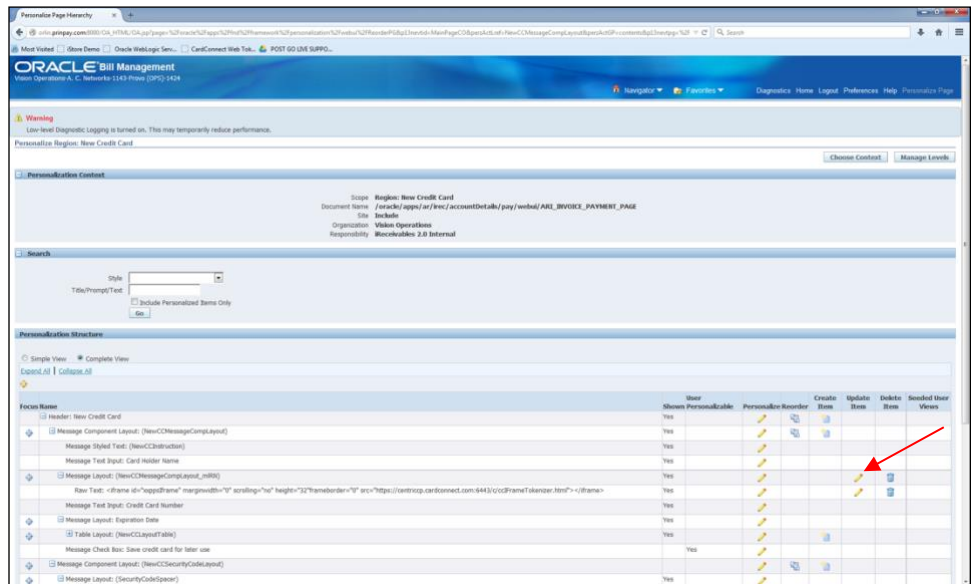
5. If needed, click Reorder to move the new element into the proper location:



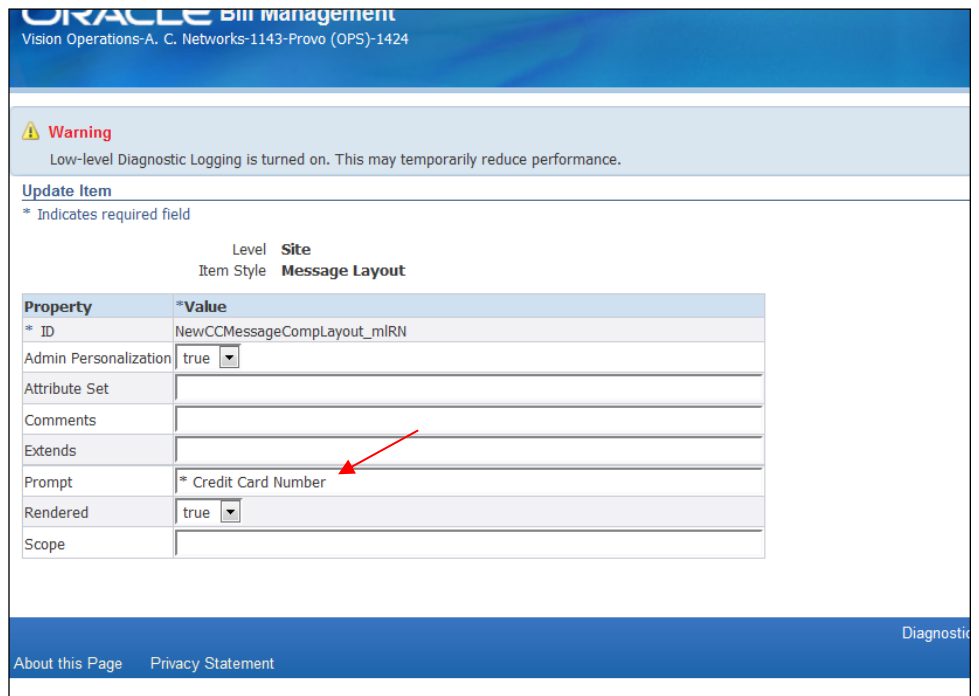
6. Move the new element up by highlighting and clicking the up button 3 times



7. To set the associated prompt for the IFRAME element, click the Update Item icon next to the (now appearing) Message Layout element:



8. Then set the Prompt value to “* Credit Card Number” (without the quotes)



9. Click Apply

10. The lower portion of the personalization page should now resemble the following:

The screenshot shows the 'Personalize Page Hierarchy' tool interface. At the top, there are navigation options like 'Home', 'Diagnostics', 'Logoff', 'Preferences', and 'Help'. Below that, a 'Personalization Structure' section shows a tree view of the page hierarchy. The main part of the interface is a table with columns: 'Focus Name', 'User Shows Personalizable', 'Personalize Row/Col', 'Create Item', 'Update Item', 'Delete Item', and 'Selected Item Views'. The table lists various components like 'Header: New Credit Card', 'Message Component Layout: (NewCCMessageCompLayout)', 'Message Text: Card Holder Name', etc. At the bottom, there is a 'Return to Application' link and a 'Manage Levels' button.

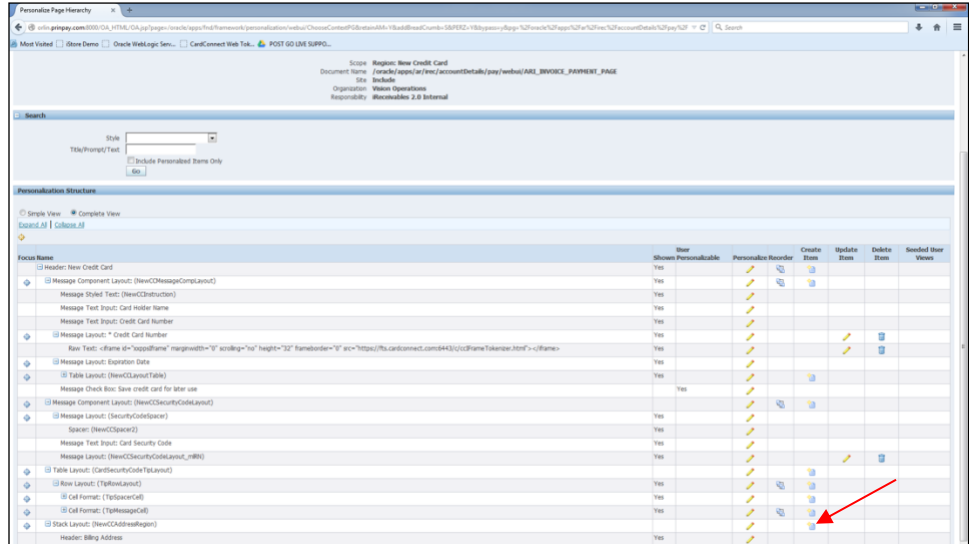
Focus Name	User Shows Personalizable	Personalize Row/Col	Create Item	Update Item	Delete Item	Selected Item Views
Header: New Credit Card	Yes					
Message Component Layout: (NewCCMessageCompLayout)	Yes					
Message Style/Text: (NewCCInstruction)	Yes					
Message Text Input: Card Holder Name	Yes					
Message Layout: * Credit Card Number	Yes					
Raw Text: <iframe id="topg2frame" marginwidth="0" scrolling="no" height="32" frameborder="0" src="https://centricqy.carconnect.com:8443/ccFrameTokenizer.html?></iframe>	Yes					
Message Text Input: Credit Card Number	Yes					
Message Layout: Expiration Date	Yes					
Table Layout: (NewCCLayoutTable)	Yes					
Message Check Box: Save credit card for later use	Yes					
Message Component Layout: (NewCCSecurityCodeLayout)	Yes					
Message Layout: (SecurityCodeSpacer)	Yes					
Spacer: (NewCCSpacer)	Yes					
Message Text Input: Card Security Code	Yes					
Message Layout: (NewCCSecurityCodeLayout_m180)	Yes					
Table Layout: (CardSecurityCodeTypeLayout)	Yes					
Row Layout: (TipRowLayout)	Yes					
Cell Format: (TipSpacerCell)	Yes					
Cell Format: (TipMessageCell)	Yes					
Stack Layout: (NewCCAddressRegion)	Yes					
Header: Billing Address	Yes					
Raw Text: <script document.getElementById("newCreditCardHeader_cc_").display = "none"; document.getElementById("newCreditCardHolderName").onkeypress = function() {insertTabOrder(event)}; </script>	Yes					

11. Click Return to Application link at the bottom of the page

Hiding Oracle Fields and Overriding onblur

The last step involves hiding the Oracle NewCreditCardNumber field and overriding the default onblur event for the Cardholder Name field. This change is necessary so that when a customer TABs out of the name field, the cursor (focus) will be set within the Credit Card Number field in the IFRAME. With this change, the TAB will cause focus to be set on the frame of the IFRAME and could confuse the customer.

To enable this each of these personalizations, start from the previous point and perform the following steps:



1. Click on the Create Item icon Stack Layout element
2. Fill in the following details on the Create Item form:

The screenshot shows the 'Create Item' form in the Oracle Bill Management system. The form is titled 'Create Item' and includes a header with the Oracle logo and 'ORACLE Bill Management'. Below the header, there is a section for 'Create Item' with a note '* Indicates required field'. The form contains several fields for configuration, including 'Level' (set to 'Site'), 'Item Style' (set to 'Raw Text'), and a 'Property Value' table.

Property	Value
* ID	
Admin Personalization	true
Attribute Set	
CSS Class	
Comments	
Data Type	VARCHAR2
Export View Attribute	
Extends	
Initial Sort Sequence	none
No Wrap	false
Prompt	
Rendered	true
Scope	.
Search Allowed	false
Sort Allowed	no
Sort By View Attribute	
Text	
Total Value	false
User Personalization	false
View Attribute	
View Instance	

At the bottom of the form, there are links for 'About this Page', 'Privacy Statement', 'Diagnostics', 'Home', 'Logout', and 'Preferences'.

Property	Value
Item Style	Raw Text
ID	xxppsARHideCCScript
Text	Copy and paste in the entire script below:

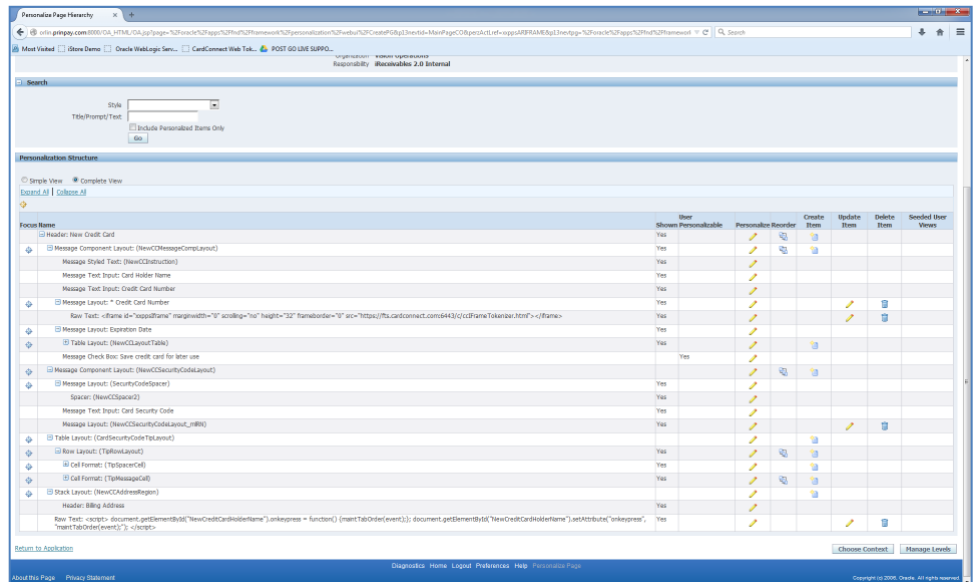
```
<script>
  document.getElementById("NewCreditCardNumber_xc_").style.display = "none";
  document.getElementById("NewCreditCardHolderName").onkeypress = function()
  {maintTabOrder(event)};
  document.getElementById("NewCreditCardHolderName").setAttribute("onkeypress",
  "maintTabOrder(event)");
</script>
```

3. Once complete, your page should look similar to the following:

The screenshot shows the 'Update Item' page in Oracle Bill Management. At the top, there is a warning: 'Warning: Low-level Diagnostic Logging is turned on. This may temporarily reduce performance.' Below the warning, there is a table with columns: Level, Site, Item Style, and Raw Text. The 'Item Style' column is set to 'Raw Text' and the 'Raw Text' column contains the script: '<script> document.getElementById("NewCreditCardHolderName").onkeypress = functio'. Below the table, there is a form with various properties and their values:

Property	Value
* ID	xxppsARHideCCScript
Admin Personalization	true
Attribute Set	
CSS Class	
Comments	
Data Type	VARCHAR2
Export View Attribute	
Extends	
Initial Sort Sequence	none
No Wrap	false
Prompt	
Rendered	true
Scope	.
Search Allowed	false
Sort Allowed	no
Sort By View Attribute	
Text	<script> document.getElementById("NewCreditCardHolderName").onkeypress = functio
Total Value	false
User Personalization	false
View Attribute	
View Instance	

4. Click Apply



5. Click Return to Application link at the bottom of the page

CardConnect IFRAME

The final component for the solution is the HTML code for the IFRAME which will reside on the CardConnect server used by your site. In the URLs below, please replace <site> with your Card Connect site name.

The URL for DEV this resource when not using a swipe device (PANPAD) is https://<site>-uat.cardconnect.com/c/ccIFrameTokenizer_base.html.

The URL for DEV this resource when using a swipe device (PANPAD) is https://<site>-uat.cardconnect.com/c/ccIFrameTokenizer_SWIPE_base.html.

The URL for PROD this resource when not using a swipe device (PANPAD) is https://<site>.cardconnect.com/c/ccIFrameTokenizer_base.html.

The URL for PROD this resource when using a swipe device (PANPAD) is https://<site>.cardconnect.com/c/ccIFrameTokenizer_SWIPE_base.html.

The server reference for the customer EBS server name must be changed in the script below by updating the ebsHost value.

If the URL, servername or filename changes, please be sure to update the IFRAME reference in Step 3 under "Configuring Card Related Items" above.

The generic code for the IFRAME on the CardConnect server is included here for completeness however no action is required on part of the customer to deploy.

```

<html>
<head>
<script>

// standard CardConnect tokenization elements -----

var ccnumCheck = "";
var win = window.parent;
var sourceURL = document.referrer;

        var ccfield = "";
function nameField() {
    ccfield = document.getElementById("ccnum");
    ccfield.value = "";
    var rand = Math.floor(Math.random() * 10000000);
    var name = "ccnum" + rand;
    ccfield.setAttribute("name", name);
    resetCard();
}

```

```

    }

    //return the base host URL for use when invoke web services
    function getHostUrl() {
        var protocol = window.location.protocol;
        var hostname = window.location.hostname;
        var port = window.location.port;
        var host = protocol + "://" + hostname;
        if (port) {
            host = host + ":" + port;
        }
        return host;
    }

    function resetCard() {

        win.postMessage("value:NewCreditCardNumber:EMPTY",sourceURL);
        ccnumCheck = "";
        ccfield.value = "";
        ccfield.focus();

    }

function getToken() {

        var host = getHostUrl();
        var untrimmedCcip = "";

        var ccip = "";
        untrimmedCcip = ccfield.value;
        ccip = untrimmedCcip.replace(/^\s+|\s+$/gm, '');

        if(ccip==null || ccip.length == 0) {
            win.postMessage("value:NewCreditCardNumber:EMPTY",sourceURL);
            ccfield.value = "";
            ccnumCheck = "";
        } else if (ccip == ccnumCheck) {

        } else if (ccip.length >= 13 && ccip.length <= 19 && ccip != ccnumCheck ) {
            var headID = document.getElementsByTagName("head")[0];
            var newScript = document.createElement('script');
            newScript.type = 'text/javascript';
            var url = host + '/cardsecure/cs?action=CE&type=json&data=' + ccip;
            newScript.src = url;
            headID.appendChild(newScript);

        } else {
            if (ccfield.value != ccnumCheck) {
                win.postMessage("alert:Please enter a valid card
number.",sourceURL);
            }
            resetCard();
        }
    }

function processToken(resp) {
    eval(resp);

    if(resp.action!="ER") {
        ccfield.value = "*****" + resp.data.substring(12);
        ccnumCheck = ccfield.value;
        win.postMessage("value:NewCreditCardNumber:"+resp.data,sourceURL);
    } else {
        win.postMessage("alert:Please enter a valid card number.",sourceURL);
        resetCard();
    }
}

// this listener handles all events

function listener(event) {
    if(event.data!=null) {
        var actionEnd = event.data.indexOf(":");
        var action = event.data.substring(0,actionEnd);

        switch(action) {

            case "focus" :
                var target = event.data.substring(actionEnd+1);
                document.getElementById(target).focus();
                break;

            case "alert" :
                var msg = event.data.substring(actionEnd+1);
                alert(msg);
                break;
        }
    }
}

```

```

        case "value" :
            var targetValuePair = event.data.substring(actionEnd+1);
            var targetEnd = targetValuePair.indexOf(":");
            var target = targetValuePair.substring(0,targetEnd);
            var value = targetValuePair.substring(targetEnd+1);

            if(value.equals("EMPTY")) {
                document.getElementById(target).value = "";
            } else {
                document.getElementById(target).value = value;
            }

            break;

        default:
            break;
    }
}

// add the event listener to the page

if (window.addEventListener) {
    addEventListener("message", listener, false)
} else {
    attachEvent("onmessage", listener)
}

</script>
</head>

<body style="background:transparent" tabindex = "-1" onload = "nameField()"
onfocus="ccfield.focus();" >
    <!--body style="background:transparent"-->
    <form name="tokenizer" onsubmit="return false;">
        <input name="ccnum" id="ccnum" size="20" maxlength="19" type="text" autocomplete="off"
onblur="getToken()" />
    </form>
</body>
</html>

```

Post-Work

The following steps should be executed after defining the personalization:

1. Set Profile Option: FND: Personalization Region Link Enabled = No
2. Set Profile Option: Personalize Self-Service Defn = No

CardConnect IFRAME Personalization Customer Standard Form

This document is intended to serve as a guide to enable an XXPPS personalization to use an embedded IFRAME to prevent credit card numbers from being entered directly into the Customer Credit Card creation form within customer maintenance:

- Receivables Manager -> Customers -> Customers -> (maintain any customer account) -> Payment Details tab -> (create credit card button)

Pre-Work

The following steps should be executed before defining the personalization:

1. Set Profile Option: FND: Personalization Region Link Enabled = Yes
2. Set Profile Option: Personalize Self-Service Defn = Yes
3. If not already completed, please modify the custom style sheet as outlined in the Custom_style_sheet.docx.

Approach

The general approach to installing or enabling this personalization relies on the following 5 steps:

1. Insert JavaScript function definitions into the header of the target page
2. Hide existing Oracle credit card number field
3. Add IFRAME tag to embed new credit card number field into page
4. Add a small script to hide elements and create two new buttons
5. Deploy html page for nested IFRAME source on CardConnect server

Please note: elements rendered in **red** in this document are location or server dependent. Please be sure to update these values if the filenames, servernames or deployment locations change.

Page Layout

First let's examine the page and identify points for integration. Items 1 through 4 above will be addressed as follows:

1. Personalization to embed function definitions
2. Personalization in Credit Card region for IFRAME, hide of cc field

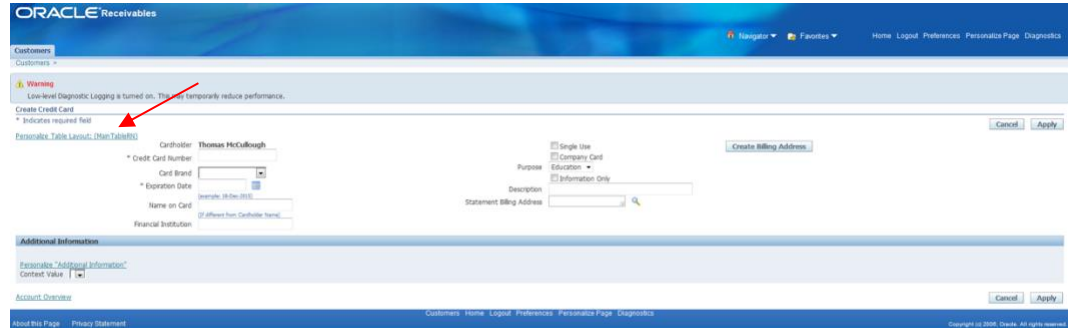
The screenshot shows the Oracle Receivables interface for creating a credit card. The form includes a warning message at the top, a 'Create Credit Card' section with a required field indicator, and a 'Financial Institution' section with a dropdown menu. A 'Create Billing Address' button is located to the right of the form. Two red circles with arrows point to specific areas: circle '1' points to the warning message, and circle '2' points to the 'Financial Institution' field.

Installation

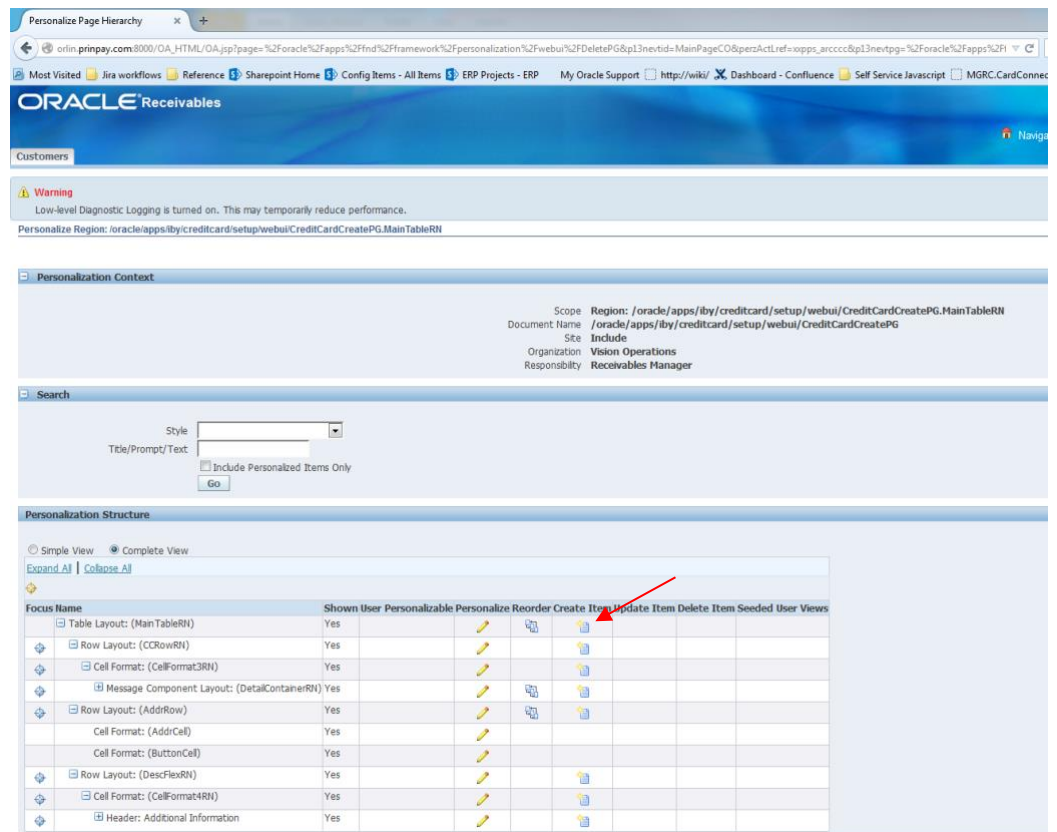
Embedding JavaScript Function Definitions

First, we will perform the steps required to enable the personalization for embedding the JavaScript function definitions. To enable this personalization, please perform the following steps:

1. Navigate to the targeted page
2. Click on the “Personalize Table Layout: (MainTableRN)” link as illustrated below:



3. Click on the Create Item icon next to the “Table Layout: (MainTableRN)” element.



Personalize Page Hierarchy

Warning: Low-level Diagnostic Logging is turned on. This may temporarily reduce performance.

Personalize Region: /oracle/apps/iby/creditcard/setup/webui/CreditCardCreatePG.MainTableRN

Personalization Context

Scope	Region: /oracle/apps/iby/creditcard/setup/webui/CreditCardCreatePG.MainTableRN
Document Name	/oracle/apps/iby/creditcard/setup/webui/CreditCardCreatePG
Site	Include
Organization	Vision Operations
Responsibility	Receivables Manager

Search

Style: [Dropdown]
Title/Prompt/Text: [Text Box]
 Include Personalized Items Only
Go

Personalization Structure

Simple View | Complete View
Expand All | Collapse All

Focus Name	Shown	User Personalizable	Personalize	Reorder	Create Item	Update	Item Delete	Item Seeded	User Views
Table Layout: (MainTableRN)	Yes		[Pencil]	[Hand]	[Plus]	[Minus]			
Row Layout: (CRowRN)	Yes		[Pencil]	[Hand]	[Plus]	[Minus]			
Cell Format: (CellFormat3RN)	Yes		[Pencil]	[Hand]	[Plus]	[Minus]			
Message Component Layout: (DetailContainerRN)	Yes		[Pencil]	[Hand]	[Plus]	[Minus]			
Row Layout: (AddrRow)	Yes		[Pencil]	[Hand]	[Plus]	[Minus]			
Cell Format: (AddrCell)	Yes		[Pencil]	[Hand]	[Plus]	[Minus]			
Cell Format: (ButtonCell)	Yes		[Pencil]	[Hand]	[Plus]	[Minus]			
Row Layout: (DescFlexRN)	Yes		[Pencil]	[Hand]	[Plus]	[Minus]			
Cell Format: (CellFormat4RN)	Yes		[Pencil]	[Hand]	[Plus]	[Minus]			
Header: Additional Information	Yes		[Pencil]	[Hand]	[Plus]	[Minus]			

4. Fill in the following details on the Create Item form:

Create Item

orlin.prinpay.com:8000/OA_HTML/OA.jsp?page=%2Foracle%2Fapps%2Ffnd%2Fframework%2Fpersonalization%2Fwebui%2FMainPG&tp13nevtid=MainPageCO&ti=160554464&retain

Most Visited Jira workflows Reference Sharepoint Home Config Items - All Items ERP Projects - ERP My Oracle Support http://wiki/ Dashboard - Confluence

ORACLE Receivables

Customers

Create Item

* Indicates required field

Level Site

Item Style Raw Text

Property	Value
* ID	
Admin Personalization	true
Attribute Set	
CSS Class	
Comments	
Data Type	VARCHAR2
Export View Attribute	
Extends	
Initial Sort Sequence	none
No Wrap	false
Prompt	
Rendered	true
Scope	,
Search Allowed	false
Sort Allowed	no
Sort By View Attribute	
Text	
Total Value	false
User Personalization	false
View Attribute	
View Instance	

Customers Home Logout Preferences Help

About this Page Privacy Statement

Property	Value
Item Style	Raw Text
ID	xxppsARIFRAMEScript
Text	Copy and paste in the entire script below: Note: The URL is red should be tweaked for your implementation by replacing <site> with your Card Connect site name. For example, in PROD the value will be <i>lion</i> but for all UAT instances it will be <i>lion-uat</i>

```

<script>

function maintTabOrder(e) {
    var keycode = e.keyCode;

    if (keycode==9) {
        iframeWin = document.getElementById("xxppsIframe").contentWindow;
        iframeWin.postMessage("focus:ccnum", "https://<site>.cardconnect.com");
        return false;
    } else {
        return true;
    }
}

function listener(event) {

    if(event.data!=null) {
        var actionEnd = event.data.indexOf(":");
        var action = event.data.substring(0,actionEnd);

        switch(action) {

```

```

    case "focus" :
        var target = event.data.substring(actionEnd+1);
        document.getElementById(target).focus();
        break;

    case "alert" :
        var msg = event.data.substring(actionEnd+1);
        alert(msg);
        break;

    case "value" :
        var targetValuePair = event.data.substring(actionEnd+1);
        var targetEnd = targetValuePair.indexOf(":");
        var target = targetValuePair.substring(0,targetEnd);
        var value = targetValuePair.substring(targetEnd+1);

        if(value == "EMPTY") {
            document.getElementById(target).value = "";
        } else {
            if (target == "CCNumber"){
                document.getElementById(target).value = value;
            } else {
                document.getElementById(target).value = value;
            }
        }

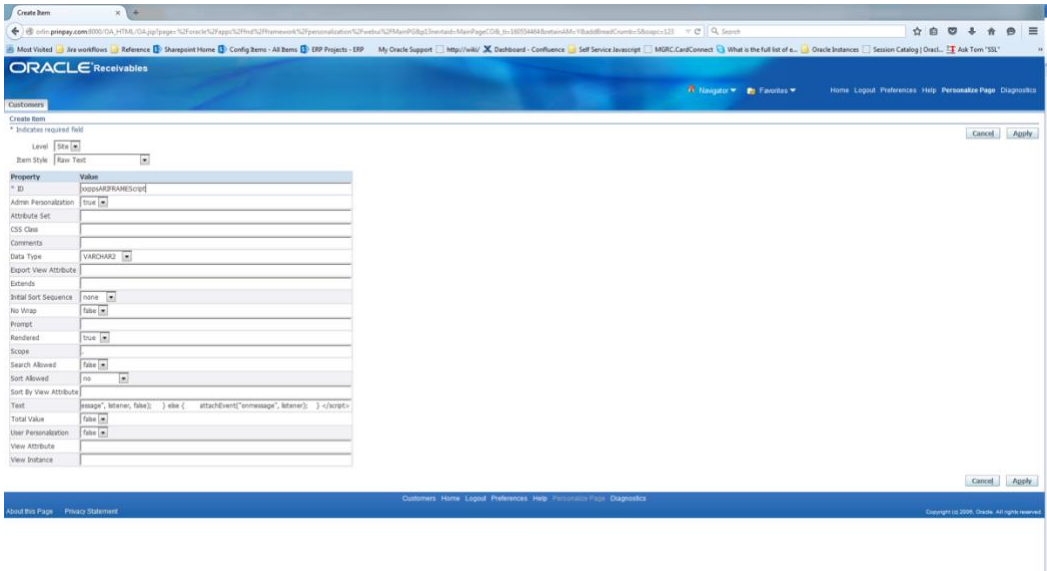
        break;

    default:
        break;
}
}
}

if (window.addEventListener) {
    addEventListener("message", listener, false);
} else {
    attachEvent("onmessage", listener);
}
}
</script>

```

5. Once complete, your page should look similar to the following:



6. Click Apply

Personalization Context

Scope: **Pages: Create Credit Card**
 Document Name: **/oracle/apps/iby/creditcard/setup/webui/CreditCardCreatePG**
 Site: **Include**
 Organization: **Vision Operations**
 Responsibility: **Receivables Manager**

Search

Style:
 Title/Prompt/Text:
 Include Personalized Items Only

Personalization Structure

Simple View Complete View
 *TIP: In simple view mode, some items or regions may not be visible in the page structure and the reorder or create icon may be disabled for certain nodes. Please switch to complete view mode if you need full personalization capabilities over all items and regions.
 Expand All | Collapse All

Focus Name	User Shown	Personalizable	Personalize	Reorder	Create Item	Update Item	Delete Item	Seeded User Views	Show in Complete View
Page Layout: Create Credit Card	Yes								
Page Button Bar: (PageButtonBarRN)	Yes								
Message Component Layout: (DetailContainerRN)	Yes								
Row Layout: (AddRow)	Yes								
Header: Additional Information	Yes								
Flex: (CCFlex)	Yes								
Raw Text: <script> function mainTabOrder(e) { var keycode = e.keyCode; if (keycode==9) { iframeEl = document.getElementById("xppa1frame"); contentWindow = iframeWin.postMessage("focus:com", "https://fcs.cardconnect.com:6443"); return false; } else { return true; } } function listener(event) { if(event.data==null) { var actionEnd = event.data.indexOf(":"); var action = event.data.substring(0,actionEnd); switch(action) { case "focus" : var target = event.data.substring(actionEnd+1); document.getElementById(target).focus(); break; case "alert" : var msg = event.data.substring(actionEnd+1); alert(msg); break; case "value" : var targetValuePar = event.data.substring(actionEnd+1); var targetEnd = targetValuePar.indexOf(":"); var target = targetValuePar.substring(0,targetEnd); var value = targetValuePar.substring(targetEnd+1); if(value == "EMPTY") { document.getElementById(target).value = ""; } else { if (target == "CCNumber"){ document.getElementById(target).value = value; } else { document.getElementById(target).value = value; } } break; default: break; } } } if (window.addEventListener) { addEventListener("message", listener, false); } else { attachEvent("onmessage", listener); }</script>									

Configuring Card Related Items

Now we will add the personalization items related to hiding and displaying card entry fields.

1. Click on the Personalize icon next to the "Message Text Input: Number" element.

Personalization Context

Scope: **Region: /oracle/apps/iby/creditcard/setup/webui/CreditCardCreatePG.MainTableRN**
 Document Name: **/oracle/apps/iby/creditcard/setup/webui/CreditCardCreatePG**
 Site: **Include**
 Organization: **Vision Operations**
 Responsibility: **Receivables Manager**

Search

Style:
 Title/Prompt/Text:
 Include Personalized Items Only

Personalization Structure

Simple View Complete View
 Expand All | Collapse All

Focus Name	User Shown	Personalizable	Personalize	Reorder	Create Item	Update Item	Delete Item	Seeded User Views
Table Layout: (MainTableRN)	Yes							
Row Layout: (CRowRN)	Yes							
Cell Format: (CellFormat3RN)	Yes							
Message Component Layout: (DetailContainerRN)	Yes							
Message Styled Text: Cardholder	Yes							
Message Text Input: Number	Yes							
Message Choice: Card Brand	Yes							
Message Text Input: Expiration Date	Yes							
Message Text Input: Name on Card	Yes							
Message Text Input: Financial Institution	Yes							
Message Layout: (DummyLayoutRN)	Yes							

2. Update the CSS Class and Prompt fields as shown below:

Personalization Properties

Clear Personalization

	Original Definition Site	Organization: Vision Operations	Responsibility: Receivables Manager	Result / Source
Access Key	Default	Inherit	Inherit	Default / Original Definition
Additional Text	Default	Inherit	Inherit	Default / Original Definition
Admin Personalization	true	Inherit	Inherit	true / Original Definition
CSS Class	Default	XXPPS_Hidden	Inherit	XXPPS_Hidden / Site
Destination Function	Default	Inherit	Inherit	Default / Original Definition
Export View Attribute	Default	Inherit	Inherit	Default / Original Definition
Initial Value	Default	Inherit	Inherit	Default / Original Definition
Length	25	Inherit	Inherit	25 / Original Definition
Long Tip Region	Default	Inherit	Inherit	Default / Original Definition
Maximum Length	30	Inherit	Inherit	30 / Original Definition
Prompt	Number	Credit Card	Inherit	Credit Card / Site
Read Only	false	Inherit	Inherit	false / Original Definition
Search Allowed	false	Inherit	Inherit	false / Original Definition
Selective Search Criteria	false	Inherit	Inherit	false / Original Definition
Sort Allowed	no	Inherit	Inherit	no / Original Definition
Tip Message Name	Default	Inherit	Inherit	Default / Original Definition
Tip Type	none	Inherit	Inherit	none / Original Definition
Total Value	false	Inherit	Inherit	false / Original Definition
User Personalization	false	Inherit	Inherit	false / Original Definition

Property	Value
CSS Class	XXSNP_Hidden
Prompt	Credit Card

- Click Apply.
- Next, click on the Create Item icon next to the “Message Component Layout: (DetailContainerRN)” element.

Personalization Context


Scope: **Region: /oracle/apps/iby/creditcard/setup/webui/CreditCardCreatePG.MainTableRN**
 Document Name: **/oracle/apps/iby/creditcard/setup/webui/CreditCardCreatePG**
 Site: **Include**
 Organization: **Vision Operations**
 Responsibility: **Receivables Manager**

Search

Style:
 Title/Prompt/Text Include Personalized Items Only

Personalization Structure

Simple View Complete View
 Expand All | Collapse All

Focus Name	User Shown Personalizable	Personalize	Reorder	Create Item	Update Item	Delete Item	Seeded User Views
Table Layout: (MainTableRN)	Yes						
Row Layout: (CRowRN)	Yes						
Cell Format: (CellFormat3RN)	Yes						
Message Component Layout: (DetailContainerRN)	Yes						
Message Styled Text: Cardholder	Yes						
Message Text Input: Credit Card	Yes						
Message Choice: Card Brand	Yes						
Message Text Input: Expiration Date	Yes						
Message Text Input: Name on Card	Yes						
Message Text Input: Financial Institution	Yes						
Message Layout: (DummyLayoutRN)	Yes						

- Fill in the following details on the Create Item form:

Create Item

* Indicates required field

Level
Item Style

Property	*Value
* ID	
Admin Personalization	true <input type="button" value="v"/>
Attribute Set	
CSS Class	
Comments	
Extends	
Height	
Rendered	true <input type="button" value="v"/>
Scope	.
Width	

Property	Value
Item Style	Spacer
ID	xxppsSpacer
Height	10

6. Once complete, your page should look similar to the following:

Create Item

* Indicates required field

Level
Item Style

Property	*Value
* ID	xxppsSpacer
Admin Personalization	true <input type="button" value="v"/>
Attribute Set	
CSS Class	
Comments	
Extends	
Height	10
Rendered	true <input type="button" value="v"/>
Scope	.
Width	

7. Click Apply
8. Next, click on the Create Item icon next to the “Message Component Layout: (DetailContainerRN)” element again.

Personalization Context								
Scope	Region: /oracle/apps/ibj/creditcard/setup/webui/CreditCardCreatePG.MainTableRN							
Document Name	/oracle/apps/ibj/creditcard/setup/webui/CreditCardCreatePG							
Site	Include							
Organization	Vision Operations							
Responsibility	Receivables Manager							
Search								
Style	<input type="text"/>							
Tile/Prompt/Text	<input type="checkbox"/>							
	<input type="checkbox"/> Include Personalized Items Only							
	<input type="button" value="Go"/>							
Personalization Structure								
<input type="radio"/> Simple View <input checked="" type="radio"/> Complete View <input type="button" value="Expand All"/> <input type="button" value="Collapse All"/>								
Focus Name	User Shown	Personalizable	Personalize	Recorder	Create Item	Update Item	Delete Item	Seeded User Views
Table Layout: (MainTableRN)	Yes							
Raw Layout: (CRowRN)	Yes							
Col Format: (ColFormat3RN)	Yes							
Message Component Layout: (DetailContainerRN)	Yes							
Message Styled Text: Cardholder	Yes							
Message Text Input: Credit Card	Yes							
Message Choice: Card Brand	Yes							
Message Text Input: Expiration Date	Yes							
Message Text Input: Name on Card	Yes							
Message Text Input: Financial Institution	Yes							
Message Layout: (DummyLayoutRN)	Yes							

9. Fill in the following details on the Create Item form:

Level:

Item Style:

Property	Value
* ID	
Admin Personalization	<input checked="" type="checkbox"/>
Attribute Set	
CSS Class	
Comments	
Data Type	<input type="text" value="VARCHAR2"/>
Export View Attribute	
Extends	
Initial Sort Sequence	<input type="text" value="none"/>
No Wrap	<input type="checkbox"/>
Prompt	
Rendered	<input checked="" type="checkbox"/>
Scope	.
Search Allowed	<input type="checkbox"/>
Sort Allowed	<input type="text" value="no"/>
Sort By View Attribute	
Text	
Total Value	<input type="checkbox"/>
User Personalization	<input type="checkbox"/>
View Attribute	
View Instance	

About this Page Privacy Statement Customers Home Logout Preferences Help Personalize P

Property	Value
Item Style	Raw Text
ID	xxppsARIFFRAME
Text	Copy and paste in the entire script below corresponding to your environment and panpad usage replacing <site> with your Card Connect site name.

	<p>For example, if your CardConnect site name were BobsAuto and you were not using a PanPad device, you would enter:</p> <pre><iframe id="xxppsIframe" marginwidth="0" scrolling="no" height="32" frameborder="0" src="https://bobsauto.cardconnect.com/c/ccIframeTokenizer_cust_base. html" allowTransparency="true"></iframe></pre> <p>****Please note: The url above is only an example and should NOT be used in your deployment.</p>
--	---

```
DEV (Non-swipe device):

<iframe id="xxppsIframe" marginwidth="0" scrolling="no" height="32"frameborder="0"
src="https://<site>-uat.cardconnect.com/c/ccIframeTokenizer_cust_base.html"
allowTransparency="true"></iframe>

DEV (Using swipe device):

<iframe id="xxppsIframe" marginwidth="0" scrolling="no" height="32"frameborder="0"
src="https://<site>-uat.cardconnect.com/c/ccIframeTokenizer_SWIPE_cust_base.html"
allowTransparency="true"></iframe>

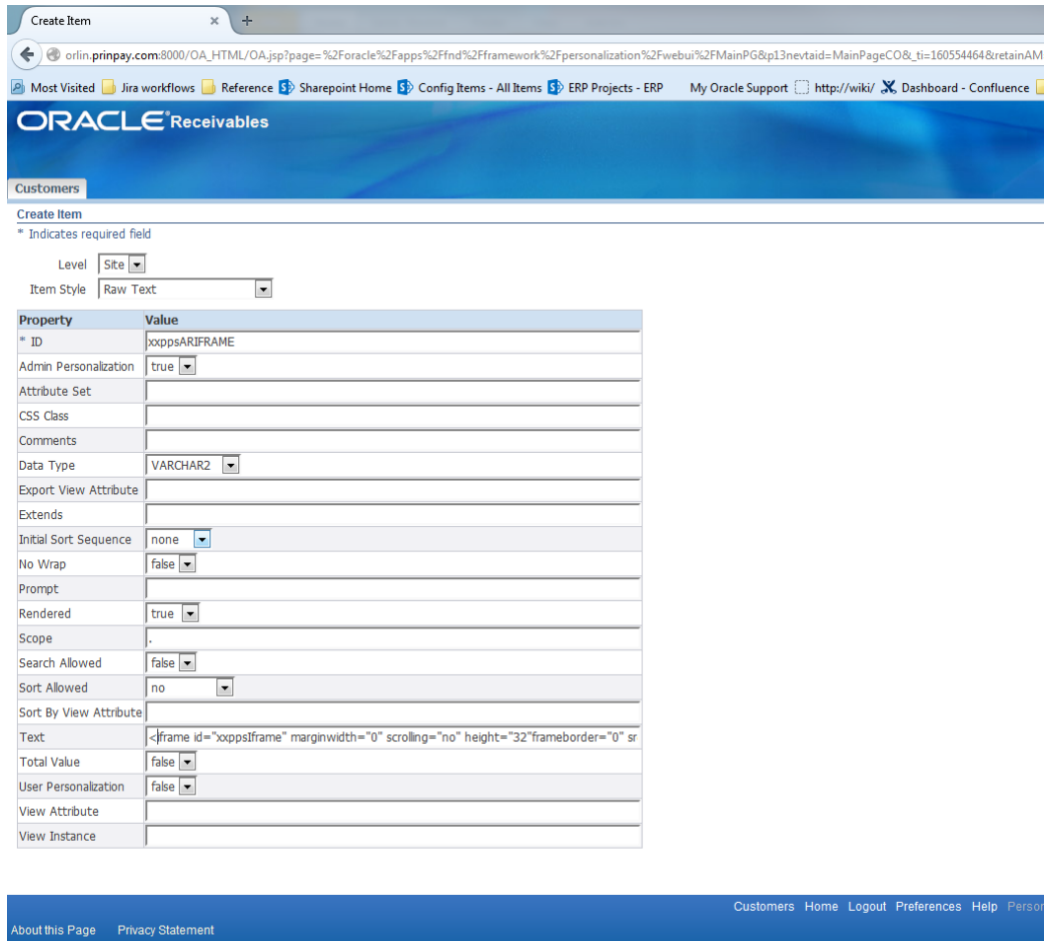
PROD (Non-swipe device):

<iframe id="xxppsIframe" marginwidth="0" scrolling="no" height="32"frameborder="0"
src="https://<site>.cardconnect.com/c/ccIframeTokenizer_cust_base.html"
allowTransparency="true"></iframe>

PROD (Using swipe device):

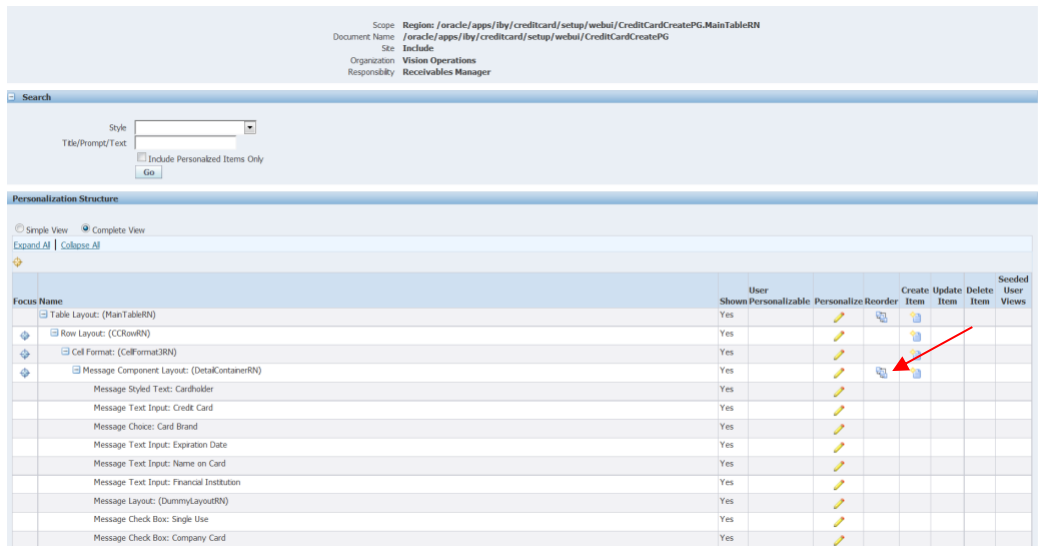
<iframe id="xxppsIframe" marginwidth="0" scrolling="no" height="32"frameborder="0"
src="https://<site>.cardconnect.com/c/ccIframeTokenizer_SWIPE_cust_base.html"
allowTransparency="true"></iframe>
```

10. Once complete, your page should look similar to the following:



11. Click Apply

12. Click on the Reorder icon next to the “Message Component Layout: (DetailContainerRN)” element.



13. Move the new “(DetailContainerRN_mIRN)” and “(DetailContainerRN_mIRN1)” elements up to just below the “Credit Card” element by highlighting and clicking the up button until the new elements are correctly placed.

Scope: **Region: /oracle/apps/iby/creditcard/setup/webui/CreditCardCreatePG.MainTableRN**
 Document Name: **/oracle/apps/iby/creditcard/setup/webui/CreditCardCreatePG**
 Site: **Include**
 Organization: **Vision Operations**
 Responsibility: **Receivables Manager**

Reorder Contents

Original Definition: Cardholder, Credit Card, Card Brand, Expiration Date, Name on Card, Financial Institution (DummyLayoutRN), Single Use, Company Card, Purpose, Information Only, Description, Statement Billing Address

Site: Personalize
 Cardholder, Credit Card, Card Brand, Expiration Date, Name on Card, Financial Institution (DummyLayoutRN), Single Use, Company Card, Purpose, Information Only, Description, Statement Billing Address
 (DetailContainerRN_mIRN), (DetailContainerRN_mIRN1)

Organization: Personalize
 Inherit Order

Scope: **Region: /oracle/apps/iby/creditcard/setup/webui/CreditCardCreatePG.MainTableRN**
 Document Name: **/oracle/apps/iby/creditcard/setup/webui/CreditCardCreatePG**
 Site: **Include**
 Organization: **Vision Operations**
 Responsibility: **Receivables Manager**

Reorder Contents

Original Definition: Cardholder, Credit Card, Card Brand, Expiration Date, Name on Card, Financial Institution (DummyLayoutRN), Single Use, Company Card, Purpose, Information Only, Description, Statement Billing Address

Site: Personalize
 Cardholder, Credit Card, (DetailContainerRN_mIRN), (DetailContainerRN_mIRN1), Card Brand, Expiration Date, Name on Card, Financial Institution (DummyLayoutRN), Single Use, Company Card, Purpose, Information Only, Description, Statement Billing Address

Organization: Personalize
 Inherit Order

14. Next, move the new “(DetailContainerRN_mIRN)” element up to just below the “Cardholder” element by highlighting and clicking the up button until the new element is correctly placed.

Scope: **Region: /oracle/apps/iby/creditcard/setup/webui/CreditCardCreatePG.MainTableRN**
 Document Name: **/oracle/apps/iby/creditcard/setup/webui/CreditCardCreatePG**
 Site: **Include**
 Organization: **Vision Operations**
 Responsibility: **Receivables Manager**

Reorder Contents

Original Definition: Cardholder, Credit Card, Card Brand, Expiration Date, Name on Card, Financial Institution (DummyLayoutRN), Single Use, Company Card, Purpose, Information Only, Description, Statement Billing Address

Site: Personalize
 Cardholder, (DetailContainerRN_mIRN), Credit Card, Card Brand, Expiration Date, Name on Card, Financial Institution (DummyLayoutRN), Single Use, Company Card, Purpose, Information Only, Description, Statement Billing Address

Organization: Personalize
 Inherit Order

Responsibility

Scope: **Region: /oracle/apps/iby/creditcard/setup/webui/CreditCardCreatePG.MainTableRN**
 Document Name: **/oracle/apps/iby/creditcard/setup/webui/CreditCardCreatePG**
 Site: **Include**
 Organization: **Vision Operations**
 Responsibility: **Receivables Manager**

Reorder Contents

Original Definition: Cardholder, Credit Card, Card Brand, Expiration Date, Name on Card, Financial Institution (DummyLayoutRN), Single Use, Company Card, Purpose, Information Only, Description, Statement Billing Address

Site: Personalize
 Cardholder, (DetailContainerRN_mIRN), Credit Card, Card Brand, Expiration Date, Name on Card, Financial Institution (DummyLayoutRN), Single Use, Company Card, Purpose, Information Only, Description, Statement Billing Address

Organization: Personalize
 Inherit Order

15. Click “Apply”

16. To set the associated prompt for the IFRAME element, click the Update Item icon next to the “Message Component Layout: (DetailContainerRN1)” element.

Scope: Regions / oracle / apps / lby / creditcard / setup / webui / CreditCardCreatePG.MainTableRN
 Document Name: / oracle / apps / lby / creditcard / setup / webui / CreditCardCreatePG
 Site: Include
 Organization: Vision Operations
 Responsibility: Receivables Manager

Search
 Style: [dropdown]
 Title/Prompt/Text: [input]
 Include Personalized Items Only
 Go

Personalization Structure
 Simple View Complete View
 Expand All | Collapse All

Focus Name	User Shown	Personalizable	Personalize	Reorder	Create Item	Update Item	Delete Item	Seeded User Views
Table Layout: (MainTableRN)	Yes		[pencil]	[refresh]	[plus]			
Row Layout: (CRowRN)	Yes		[pencil]		[plus]			
Cell Format: (CellFormat3RN)	Yes		[pencil]		[plus]			
Message Component Layout: (DetailContainerRN)	Yes		[pencil]		[plus]			
Message Styled Text: Cardholder	Yes		[pencil]					
Message Layout: (DetailContainerRN_mRN)	Yes		[pencil]			[pencil]	[trash]	
Message Text Input: Credit Card	Yes		[pencil]					
Message Layout: (DetailContainerRN_mRN1)	Yes		[pencil]			[pencil]	[trash]	
Message Choice: Card Brand	Yes		[pencil]					
Message Text Input: Expiration Date	Yes		[pencil]					
Message Text Input: Name on Card	Yes		[pencil]					
Message Text Input: Financial Institution	Yes		[pencil]					
Message Layout: (DummyLayoutRN)	Yes		[pencil]					

17. Then set the Prompt value to “Number” (without the quotes).

[Update Item](#)

* Indicates required field

Property	*Value
* ID	DetailContainerRN_mRN1
Admin Personalization	true [dropdown]
Attribute Set	
Comments	
Extends	
Prompt	Number
Rendered	true [dropdown]
Scope	

18. Click Apply

19. The personalization page should now resemble the following:

Scope: Regions / oracle / apps / lby / creditcard / setup / webui / CreditCardCreatePG.MainTableRN
 Document Name: / oracle / apps / lby / creditcard / setup / webui / CreditCardCreatePG
 Site: Include
 Organization: Vision Operations
 Responsibility: Receivables Manager

Search
 Style: [dropdown]
 Title/Prompt/Text: [input]
 Include Personalized Items Only
 Go

Personalization Structure
 Simple View Complete View
 Expand All | Collapse All

Focus Name	User Shown	Personalizable	Personalize	Reorder	Create Item	Update Item	Delete Item	Seeded User Views
Table Layout: (MainTableRN)	Yes		[pencil]	[refresh]	[plus]			
Row Layout: (CRowRN)	Yes		[pencil]		[plus]			
Cell Format: (CellFormat3RN)	Yes		[pencil]		[plus]			
Message Component Layout: (DetailContainerRN)	Yes		[pencil]		[plus]			
Message Styled Text: Cardholder	Yes		[pencil]					
Message Layout: (DetailContainerRN_mRN)	Yes		[pencil]			[pencil]	[trash]	
Message Text Input: Credit Card	Yes		[pencil]					
Message Layout: Number	Yes		[pencil]			[pencil]	[trash]	
Message Choice: Card Brand	Yes		[pencil]					
Message Text Input: Expiration Date	Yes		[pencil]					
Message Text Input: Name on Card	Yes		[pencil]					
Message Text Input: Financial Institution	Yes		[pencil]					
Message Layout: (DummyLayoutRN)	Yes		[pencil]					

20. Click Return to Application link at the bottom of the page

21. Before using the personalization, you must clear your browser cache. You may also need to clear Oracle's cache via the Functional Administrator responsibility.

CardConnect IFRAME

The final component for the solution is the HTML code for the IFRAME which will reside on the CardConnect server used by your site. In the URLs below, please replace <site> with your Card Connect site name.

The URL for DEV this resource when not using a swipe device (PANPAD) is https://<site>-uat.cardconnect.com/c/cclFrameTokenizer_cust_base.html.

The URL for DEV this resource when using a swipe device (PANPAD) is https://<site>-uat.cardconnect.com/c/cclFrameTokenizer_SWIPE_cust_base.html.

The URL for PROD this resource when not using a swipe device (PANPAD) is https://<site>.cardconnect.com/c/cclFrameTokenizer_cust_base.html.

The URL for PROD this resource when not using a swipe device (PANPAD) is https://<site>.cardconnect.com/c/cclFrameTokenizer_cust_base.html.

The server reference for the customer EBS server name must be changed in the script below by updating the ebsHost value.

If the URL, servername or filename changes, please be sure to update the IFRAME reference in Step 3 under "Configuring Card Related Items" above.

The generic code for the IFRAME on the CardConnect server is included here for completeness however no action is required on part of the customer to deploy.

```
<html>
  <head>
    <script>

      // standard CardConnect tokenization elements -----

      var ccnumCheck = "";
      var win = window.parent;
      var sourceURL = document.referrer;

      var ccfield = "";
      function nameField() {
        ccfield = document.getElementById("ccnum");
        ccfield.value = "";
        var rand = Math.floor(Math.random() * 10000000);
        var name = "ccnum" + rand;
        ccfield.setAttribute("name", name);
        resetCard();
      }

      //return the base host URL for use when invoke web services
      function getHostUrl() {
        var protocol = window.location.protocol;
        var hostname = window.location.hostname;
        var port = window.location.port;
        var host = protocol + "://" + hostname;
        if (port) {
          host = host + ":" + port;
        }
        return host;
      }

      if (port=="8443") port = "443";

      function resetCard() {
        win.postMessage("value:CCNumber:EMPTY", sourceURL);
        ccnumCheck = "";
        ccfield.value = "";
      }
    </script>
  </head>
</html>
```

```

        ccfield.focus();
    }

function getToken() {

    var host = getHostUrl();

    var untrimmedCcip = "";

    var ccip = "";
    untrimmedCcip = ccfield.value;
    ccip = untrimmedCcip.replace(/^\s+|\s+$|-/gm, '');

    if(ccip==null || ccip.length == 0) {
        win.postMessage("value:CCNumber:EMPTY",sourceURL);
        ccfield.value = "";

        cenumCheck = "";
    } else if (ccip == cenumCheck) {

    } else if (ccip.length >= 13 && ccip.length <= 19 && ccip != cenumCheck ) {
        var headID = document.getElementsByTagName("head")[0];
        var newScript = document.createElement('script');
        newScript.type = 'text/javascript';
        var url = host + '/cardsecure/cs?action=CE&type=json&data=' + ccip;
        newScript.src = url;
        headID.appendChild(newScript);

    } else {
        if (ccfield.value != cenumCheck) {
            win.postMessage("alert:Please enter a valid card
number.",sourceURL);
        }

        resetCard();
    }
}

function processToken(resp) {
    eval(resp);

    if(resp.action!="ER") {
        ccfield.value = "*****" + resp.data.substring(12);
        cenumCheck = ccfield.value;
        win.postMessage("value:CCNumber:"+resp.data,sourceURL);

    } else {
        win.postMessage("alert:Please enter a valid card number.",sourceURL);

        resetCard();
    }
}

// this listener handles all events

function listener(event) {
    if(event.data!=null) {
        var actionEnd = event.data.indexOf(":");
        var action = event.data.substring(0,actionEnd);

        switch(action) {

            case "focus" :
                var target = event.data.substring(actionEnd+1);
                document.getElementById(target).focus();
                break;

            case "alert" :
                var msg = event.data.substring(actionEnd+1);
                alert(msg);
                break;

            case "value" :
                var targetValuePair = event.data.substring(actionEnd+1);
                var targetEnd = targetValuePair.indexOf(":");
                var target = targetValuePair.substring(0,targetEnd);
                var value = targetValuePair.substring(targetEnd+1);

                if(value.equals("EMPTY")) {
                    document.getElementById(target).value = "";
                } else {
                    document.getElementById(target).value = value;
                }

                break;

            default:
                break;
        }
    }
}

```

```
// add the event listener to the page

if (window.addEventListener) {
    addEventListener("message", listener, false)
} else {
    attachEvent("onmessage", listener)
}

</script>
</head>

<body style="background:transparent" tabindex = "-1" onload ="nameField()"
onfocus="ccfield.focus();">
<!--body style="background:transparent"-->
<form name="tokenizer" onsubmit="return false;">
    <input name="ccnum" id="ccnum" size="20" maxlength="19" type="text" autocomplete="off"
onblur="getToken()" />
</form>
</body>
</html>
```

Post-Work

The following steps should be executed after defining the personalization:

1. Set Profile Option: FND: Personalization Region Link Enabled = No
2. Set Profile Option: Personalize Self-Service Defn = No

CardConnect IFRAME Personalization Service Requests Form

This document is intended to serve as a guide to enable an XXPPS personalization to use an embedded IFRAME to prevent credit card numbers from being entered directly into the Customer Credit Card creation form within customer support for field service forms.

Pre-Work

The following steps should be executed before defining the personalization:

1. Set Profile Option: FND: Personalization Region Link Enabled = Yes
2. Set Profile Option: Personalize Self-Service Defn = Yes
3. If not already completed, please modify the custom style sheet as outlined in the Custom_style_sheet.docx.

Approach

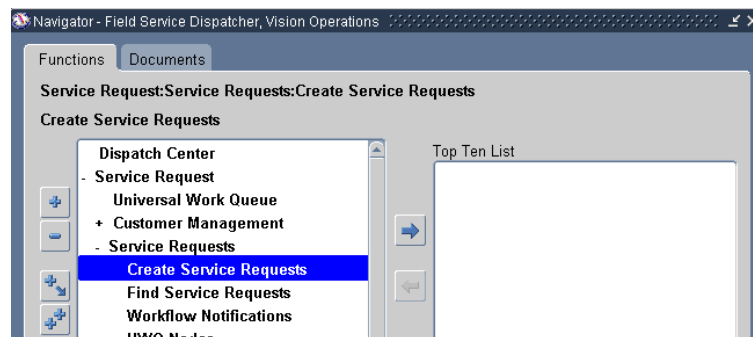
The general approach to installing or enabling this personalization relies on the following 5 steps:

1. Insert JavaScript function definitions into the header of the target page
2. Hide existing Oracle credit card number field
3. Add IFRAME tag to embed new credit card number field into page
4. Add a small script to hide elements
5. Deploy html page for nested IFRAME source on CardConnect server

Please note: elements rendered in **red** in this document are location or server dependent. Please be sure to update these values if the filenames, servernames or deployment locations change.

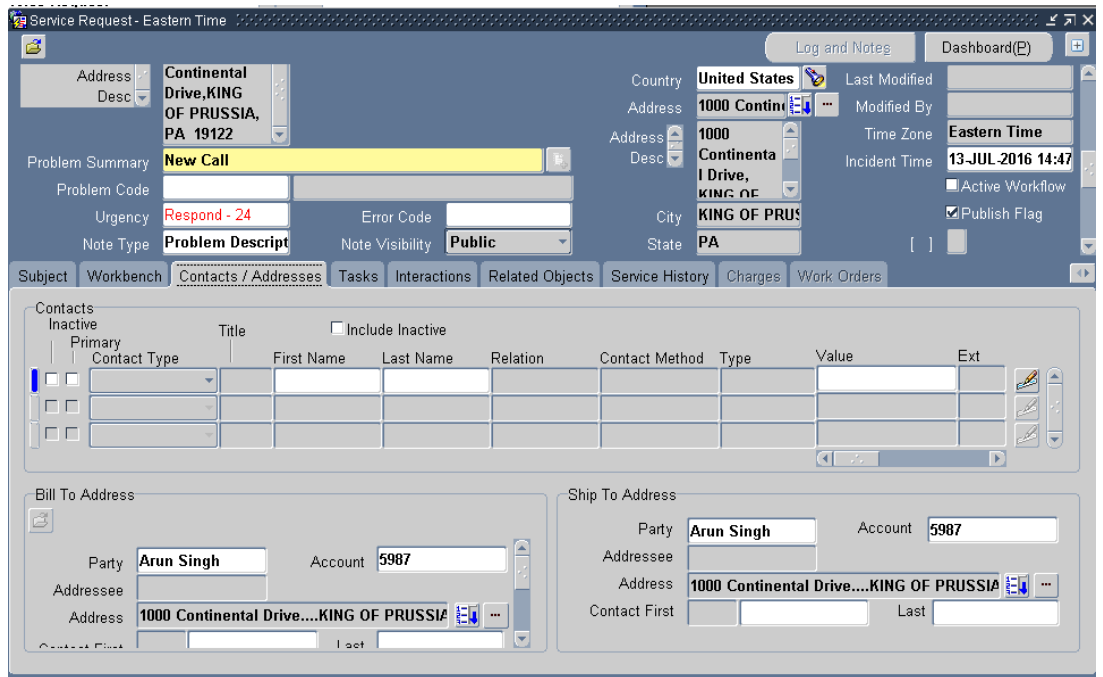
Navigation to credit card page

1. Navigate to field service responsibility (e.g., Field Service Dispatcher)
2. Within this responsibility, navigate to new service request creation form (e.g., Service request > Service Requests > Create Service Requests)



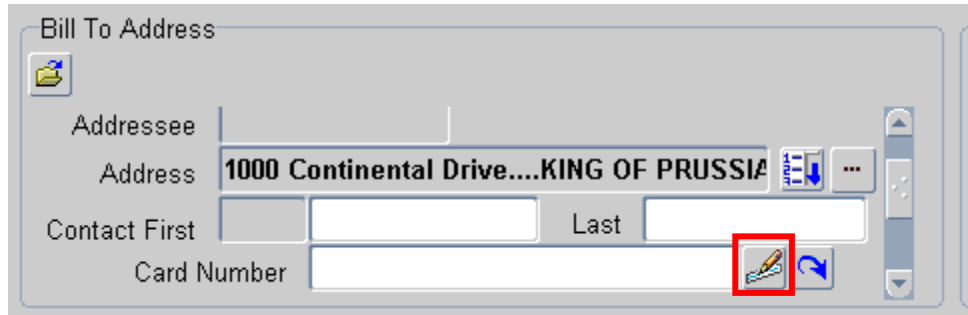
Note: Navigation may be different in customers' environment.

3. Enter necessary customer and problem summary information and click on *Contacts / Addresses tab*.



4. Under Bill To Address area, scroll down to credit card field area and click on **create or update card** button

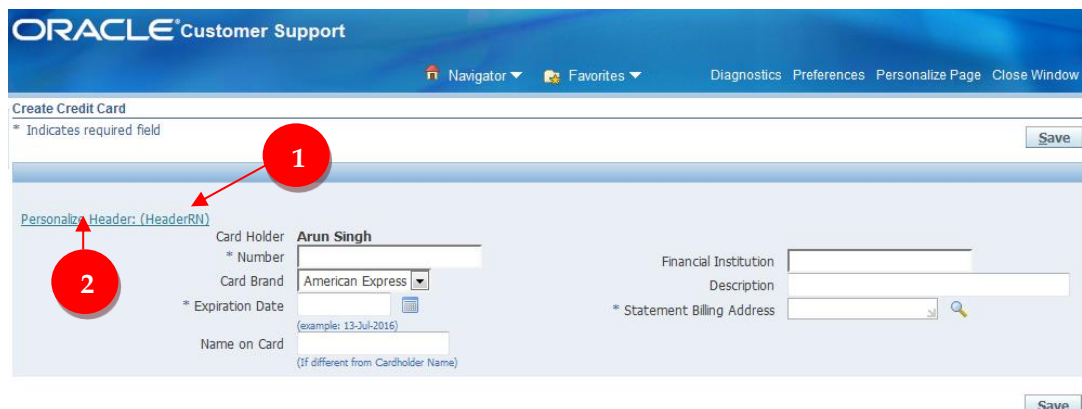
*Note: User may have to show the credit card field (if not initially visible) using **Folder > Show field** menu option*



Page Layout

First let's examine the page and identify points for integration. Items 1 through 4 in approach above will be addressed as follows:

1. Personalization to embed function definitions
2. Personalization in Credit Card region for IFRAME, hide of cc field



Installation

Embedding JavaScript Function Definitions

First, we will perform the steps required to enable the personalization for embedding the JavaScript function definitions. To enable this personalization, please perform the following steps:

1. If necessary, return to the targeted page
2. Click on the “Personalize Header: (HeaderRN)” link as illustrated below:

The screenshot shows the Oracle Customer Support interface for the 'Create Credit Card' page. The page title is 'ORACLE Customer Support'. The navigation bar includes 'Navigator', 'Favorites', 'Diagnostics', 'Preferences', 'Personalize Page', and 'Close Window'. The main content area is titled 'Create Credit Card' and includes a 'Save' button. A red arrow points to the 'Personalize Header: (HeaderRN)' link in the left-hand navigation pane. The form fields include: Card Holder (Arun Singh), Card Number (with an asterisk indicating it is required), Card Brand (American Express), Expiration Date (with an asterisk and an example date of 13-Jul-2016), Name on Card (with a note '(If different from Cardholder Name)'), Financial Institution, Description, and Statement Billing Address (with an asterisk and a search icon).

3. Click on the Create Item icon next to the “Header: (HeaderRN)” element.

The screenshot shows the Oracle Customer Support interface for the 'Personalize Region' page. The page title is 'ORACLE Customer Support'. The navigation bar includes 'Navigator', 'Favorites', 'Diagnostics', 'Preferences', 'Help', 'Personalize Page', and 'Close Window'. The main content area is titled 'Personalize Region: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG.HeaderRN'. It includes a 'Choose Context' button and a 'Manage Levels' button. The 'Personalization Context' section shows the following details:

Scope	Region: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG.HeaderRN
Document Name	/oracle/apps/cs/csz/creditcards/webui/CreditCardPG
Function	Credit Card Create/Update Page
Site	Include
Organization	Vision Operations
Responsibility	Field Service Dispatcher, Vision Operations

The 'Search' section includes a 'Style' dropdown, a 'Title/Prompt/Text' input field, an 'Include Personalized Items Only' checkbox, and a 'Go' button.

The 'Personalization Structure' section shows a table with the following columns: Focus Name, Shown, User Personalizable, Personalize, Reorder, Create Item, Update Item, Delete Item, Seeded, and User Views. A red arrow points to the 'Create Item' icon in the 'Create Item' column for the 'Header: (HeaderRN)' element.

Focus Name	Shown	User Personalizable	Personalize	Reorder	Create Item	Update Item	Delete Item	Seeded	User Views
Header: (HeaderRN)	Yes								
Message Component Layout: (CreditCardCreateRN)	Yes								
Message Styled Text: Card Holder	Yes								
Message Text Input: Number	Yes								
Message Choice: Card Brand	Yes								
Message Text Input: Expiration Date	Yes								
Message Text Input: Name on Card	Yes								
Message Layout: (messageLayoutSpce)	Yes								
Spacer: (spacer1)	Yes								
Spacer: (spacer2)	Yes								
Message Text Input: Financial Institution	Yes								
Message Text Input: Description	Yes								
Message Lov Input: Statement Billing Address	Yes								

4. Fill in the following details on the Create Item form:

Create Item

* Indicates required field

Level Site

Item Style Raw Text

Property	Value
* ID	
Admin Personalization	true
Attribute Set	
CSS Class	
Comments	
Data Type	VARCHAR2
Export View Attribute	
Extends	
Initial Sort Sequence	none
No Wrap	false
Prompt	
Rendered	true
Scope	.
Search Allowed	false
Sort Allowed	no
Sort By View Attribute	
Text	
Total Value	false
User Personalization	false
View Attribute	
View Instance	

Property	Value
Item Style	Raw Text
ID	xxppsCSIFRAMEScript
Text	Copy and paste in the entire script below: Note: The URL is red should be tweaked for your implementation by replacing <site> with your Card Connect site name. For example, in PROD the value will be <i>lion</i> but for all UAT instances it will be <i>lion-uat</i>

```
<script>
function maintTabOrder(e) {
    var keycode = e.keyCode;

    if (keycode==9) {
        iframeWin = document.getElementById("xxppsIframe").contentWindow;
        iframeWin.postMessage("focus:ccnum", "https://<site>.cardconnect.com");
        return false;
    } else {
        return true;
    }
}
```

```

function listener(event) {

    if(event.data!=null) {
        var actionEnd = event.data.indexOf(":");
        var action = event.data.substring(0,actionEnd);

        switch(action) {
            case "focus" :
                var target = event.data.substring(actionEnd+1);
                document.getElementById(target).focus();
                break;

            case "alert" :
                var msg = event.data.substring(actionEnd+1);
                alert(msg);
                break;

            case "value" :
                var targetValuePair = event.data.substring(actionEnd+1);
                var targetEnd = targetValuePair.indexOf(":");
                var target = targetValuePair.substring(0,targetEnd);
                var value = targetValuePair.substring(targetEnd+1);

                if(value == "EMPTY") {
                    document.getElementById(target).value = "";
                } else {
                    if (target == "cardNumber"){
                        document.getElementById(target).value = value;
                    } else {
                        document.getElementById(target).value = value;
                    }
                }

                break;

            default:
                break;
        }
    }
}

if (window.addEventListener) {
    addEventListener("message", listener, false);
} else {
    attachEvent("onmessage", listener);
}
</script>

```

5. Once complete, your page should look similar to the following:

Configuring Card Related Items

Now we will add the personalization items related to hiding and displaying card entry fields.

1. Click on the Personalize icon next to the “Message Text Input: Number” element.

Scope: Region: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG.HeaderRN
 Document Name: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG
 Function: Credit Card Create/Update Page
 Site: Include
 Organization: Vision Operations
 Responsibility: Field Service Dispatcher, Vision Operations

Search: Style: Title/Prompt/Text Include Personalized Items Only

Personalization Structure: Simple View Complete View Expand All Collapse All

Focus Name	User Shown	Personalizable	Personalize	Reorder	Create Item	Update Item	Delete Item	Seeded User Views
Header: (HeaderRN)	Yes							
Message Component Layout: (CreditCardCreateRN)	Yes							
Message Styled Text: Card Holder	Yes							
Message Text Input: Number	Yes							
Message Choice: Card Brand	Yes							
Message Text Input: Expiration Date	Yes							
Message Text Input: Name on Card	Yes							
Message Layout: (messageLayoutSpec)	Yes							
Message Text Input: Financial Institution	Yes							
Message Text Input: Description	Yes							
Message Lev Input: Statement Billing Address	Yes							
Message Layout: (messageLayoutDummy)	Yes							
Message Component Layout: (CreditCardUpdateRN)	Yes							

2. Update the CSS Class and Prompt fields as shown below:

Scope: Region: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG.HeaderRN
 Document Name: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG
 Site: Include
 Organization: Vision Operations
 Responsibility: Field Service Dispatcher, Vision Operations

Personalization Properties: Clear Personalization Choose Levels Displayed

Property	Original Definition Site	Organization: Vision Operations	Responsibility: Field Service Dispatcher, Vision Operations	Result / Source
Access Key	Default	Inherit	Inherit	Default / Original Definition
Additional Text	Default	Inherit	Inherit	Default / Original Definition
Admin Personalization	true	Inherit	Inherit	true / Original Definition
CSS Class	Default	XXPPS_Hidden	Inherit	XXPPS_Hidden / Site
Destination Function	Default	Inherit	Inherit	Default / Original Definition
Export View Attribute	Default	Inherit	Inherit	Default / Original Definition
Initial Value	Default	Inherit	Inherit	Default / Original Definition
Length	25	Inherit	Inherit	25 / Original Definition
Long Tip Region	Default	Inherit	Inherit	Default / Original Definition
Maximum Length	30	Inherit	Inherit	30 / Original Definition
Prompt	Number	Credit Card	Inherit	Credit Card / Site
Read Only	false	Inherit	Inherit	false / Original Definition
Search Allowed	false	Inherit	Inherit	false / Original Definition
Selective Search Criteria	false	Inherit	Inherit	false / Original Definition
Sort Allowed	no	Inherit	Inherit	no / Original Definition
Tip Message Name	Default	Inherit	Inherit	Default / Original Definition

Property	Value
CSS Class	XXSNP_Hidden
Prompt	Credit Card

3. Click Apply.
4. Next, click on the Create Item icon next to the “Message Component Layout: (CreditCardCreateRN)” element.

Personalization Context

Scope: **Region: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG.HeaderRN**
 Document Name: **/oracle/apps/cs/csz/creditcards/webui/CreditCardPG**
 Function: **Credit Card Create/Update Page**
 Site: **Include**
 Organization: **Vision Operations**
 Responsibility: **Field Service Dispatcher, Vision Operations**

Search

Style:
 Title/Prompt/Text:
 Include Personalized Items Only

Personalization Structure

Simple View Complete View

Focus Name	User Shown	Personalizable	Personalize	Reorder	Create Item	Update Item	Delete Item	Seeded User Views
Header: (HeaderRN)	Yes							
Message Component Layout: (CreditCardCreateRN)	Yes							
Message Styled Text: Card Holder	Yes							
Message Text Input: Credit Card	Yes							
Message Choice: Card Brand	Yes							
Message Text Input: Expiration Date	Yes							
Message Text Input: Name on Card	Yes							
Message Layout: (messageLayoutSpce)	Yes							
Spacer: (spacer1)	Yes							
Spacer: (spacer2)	Yes							
Message Text Input: Financial Institution	Yes							

5. Fill in the following details on the Create Item form:

Create Item

* Indicates required field

Level:

Item Style:

Property	*Value
* ID	<input type="text"/>
Admin Personalization	true <input type="checkbox"/>
Attribute Set	<input type="text"/>
CSS Class	<input type="text"/>
Comments	<input type="text"/>
Extends	<input type="text"/>
Height	<input type="text"/>
Rendered	true <input type="checkbox"/>
Scope	.
Width	<input type="text"/>

Property	Value
Item Style	Spacer
ID	xxppsCSSpacer
Height	10

6. Once complete, your page should look similar to the following:

Create Item

* Indicates required field

Level

Item Style

Property	Value
* ID	xxppsCSSpacer
Admin Personalization	true
Attribute Set	
CSS Class	
Comments	
Extends	
Height	10
Rendered	true
Scope	.
Width	

7. Click Apply
8. Next, click on the Create Item icon next to the “Message Component Layout: (CreditCardCreateRN)” element again.
9. Fill in the following details on the Create Item form:

ORACLE Customer Support

Navigator Favorites Diagnostics Pref

Create Item

* Indicates required field

Level

Item Style

Property	Value
* ID	
Admin Personalization	true
Attribute Set	
CSS Class	
Comments	
Data Type	VARCHAR2
Export View Attribute	
Extends	
Initial Sort Sequence	none
No Wrap	false
Prompt	
Rendered	true
Scope	.
Search Allowed	false
Sort Allowed	no
Sort By View Attribute	
Text	
Total Value	false
User Personalization	false
View Attribute	
View Instance	

Property	Value
Item Style	Raw Text
ID	xxppsCSIFRAME

Text	<p>Copy and paste in the entire script below corresponding to your environment and panpad usage replacing <site> with your Card Connect site name.</p> <p>For example, if your CardConnect site name were BobsAuto and you were not using a PanPad device, you would enter:</p> <pre><iframe id="xxppsIframe" marginwidth="0" scrolling="no" height="32" frameborder="0" src="https://bobsauto.cardconnect.com/c/ccIframeTokenizer_service_base.html" allowTransparency="true"></iframe></pre> <p>****Please note: The url above is only an example and should NOT be used in your deployment.</p>
------	--

DEV (Non-swipe device):

```
<iframe id="xxppsIframe" marginwidth="0" scrolling="no" height="32" frameborder="0" src="https://<site>-uat.cardconnect.com/c/ccIframeTokenizer_service_base.html" allowTransparency="true"></iframe>
```

DEV (Using swipe device):

```
<iframe id="xxppsIframe" marginwidth="0" scrolling="no" height="32" frameborder="0" src="https://<site>-uat.cardconnect.com/c/ccIframeTokenizer_SWIPE_service_base.html" allowTransparency="true"></iframe>
```

PROD (Non-swipe device):

```
<iframe id="xxppsIframe" marginwidth="0" scrolling="no" height="32" frameborder="0" src="https://<site>.cardconnect.com/c/ccIframeTokenizer_service_base.html" allowTransparency="true"></iframe>
```

PROD (Using swipe device):

```
<iframe id="xxppsIframe" marginwidth="0" scrolling="no" height="32" frameborder="0" src="https://<site>.cardconnect.com/c/ccIframeTokenizer_SWIPE_service_base.html" allowTransparency="true"></iframe>
```

10. Once complete, your page should look similar to the following:

Create Item

* Indicates required field

Level

Item Style

Property	Value
* ID	xxppsCSIFRAME
Admin Personalization	true ▼
Attribute Set	
CSS Class	
Comments	
Data Type	VARCHAR2 ▼
Export View Attribute	
Extends	
Initial Sort Sequence	none ▼
No Wrap	false ▼
Prompt	
Rendered	true ▼
Scope	.
Search Allowed	false ▼
Sort Allowed	no ▼
Sort By View Attribute	
Text	<iframe id="xxppsiframe" marginwidth="0" scrolling="no" height="32" frameborder="0" sr
Total Value	false ▼
User Personalization	false ▼
View Attribute	
View Instance	

11. Click Apply
12. Click on the Reorder icon next to the “Message Component Layout: (CreditCardCreateRN)” element.

Personalization Context

Scope: **Region: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG.HeaderRN**
 Document Name: **/oracle/apps/cs/csz/creditcards/webui/CreditCardPG**
 Function: **Credit Card Create/Update Page**
 Site: **Include**
 Organization: **Vision Operations**
 Responsibility: **Field Service Dispatcher, Vision Operations**

Search

Style:
 Title/Prompt/Text:
 Include Personalized Items Only

Personalization Structure

Simple View Complete View
[Expand All](#) | [Collapse All](#)

Focus Name	Shown	User		Reorder	Create Item	Update Item	Delete Item
		Personalizable	Personalize				
Header: (HeaderRN)	Yes						
Message Component Layout: (CreditCardCreateRN)	Yes						
Message Styled Text: Card Holder	Yes						
Message Text Input: Number	Yes						
Message Choice: Card Brand	Yes						
Message Text Input: Expiration Date	Yes						
Message Text Input: Name on Card	Yes						
Message Layout: (messageLayoutSpce)	Yes						
Message Text Input: Financial Institution	Yes						
Message Text Input: Description	Yes						
Message Lov Input: Statement Billing Address	Yes						
Message Layout: (messageLayoutDummy)	Yes						
Message Layout: (CreditCardCreateRN_mIRN)	Yes						

13. Move the new “(DetailContainerRN_mIRN)” and “(DetailContainerRN_mIRN1)” elements up to just below the “Credit Card” element by highlighting and clicking the up button until the new elements are correctly placed.

Reorder Contents

Scope: **Region: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG.HeaderRN**
 Document Name: **/oracle/apps/cs/csz/creditcards/webui/CreditCardPG**
 Function: **Credit Card Create/Update Page**
 Site: **Include**
 Organization: **Vision Operations**
 Responsibility: **Field Service Dispatcher, Vision Operations**

Original Definition: Card Holder, Credit Card, Card Brand, Expiration Date, Name on Card (messageLayoutSpce), Financial Institution, Description, Statement Billing Address (messageLayoutDummy)

Function: Personalize

Site: Personalize

Card Holder
 Credit Card
 Card Brand
 Expiration Date
 Name on Card (messageLayoutSpce)
 Financial Institution
 Description
 Statement Billing Address (messageLayoutDummy)
 (CreditCardCreateRN_mIRN)
 (CreditCardCreateRN_mIRN1)

Reorder Contents

Scope: **Region: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG.HeaderRN**
 Document Name: **/oracle/apps/cs/csz/creditcards/webui/CreditCardPG**
 Function: **Credit Card Create/Update Page**
 Site: **Include**
 Organization: **Vision Operations**
 Responsibility: **Field Service Dispatcher, Vision Operations**

Original Definition: Card Holder, Credit Card, Card Brand, Expiration Date, Name on Card (messageLayoutSpce), Financial Institution, Description, Statement Billing Address (messageLayoutDummy)

Function: Personalize

Site: Personalize

Card Holder
 Credit Card
 (CreditCardCreateRN_mIRN)
 (CreditCardCreateRN_mIRN1)
 Card Brand
 Expiration Date
 Name on Card (messageLayoutSpce)
 Financial Institution
 Description
 Statement Billing Address (messageLayoutDummy)

- Next, move the new “(DetailContainerRN_mIRN)” element up to just below the “Card Holder” element by highlighting and clicking the up button until the new element is correctly placed.

Scope: Region: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG.HeaderRN
 Document Name: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG
 Function: Credit Card Create/Update Page
 Site: Include
 Organization: Vision Operations
 Responsibility: Field Service Dispatcher, Vision Operations

Reorder Contents

Original Definition
 Card Holder
 Credit Card
 Card Brand
 Expiration Date
 Name on Card (messageLayoutSpce)
 Financial Institution
 Description
 Statement Billing Address (messageLayoutDummy)

Function
 Personalize
 Inherit Order

Site
 Personalize
 Card Holder
 Credit Card
 (CreditCardCreateRN_mIRN)
 (CreditCardCreateRN_mIRN1)
 Card Brand
 Expiration Date
 Name on Card (messageLayoutSpce)
 Financial Institution
 Description
 Statement Billing Address (messageLayoutDummy)

Scope: Region: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG.HeaderRN
 Document Name: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG
 Function: Credit Card Create/Update Page
 Site: Include
 Organization: Vision Operations
 Responsibility: Field Service Dispatcher, Vision Operations

Reorder Contents

Original Definition
 Card Holder
 Credit Card
 Expiration Date
 Name on Card (messageLayoutSpce)
 Financial Institution
 Description
 Statement Billing Address (messageLayoutDummy)

Function
 Personalize
 Inherit Order

Site
 Personalize
 Card Holder
 (CreditCardCreateRN_mIRN1)
 Credit Card
 (CreditCardCreateRN_mIRN1)
 Card Brand
 Expiration Date
 Name on Card (messageLayoutSpce)
 Financial Institution
 Description
 Statement Billing Address (messageLayoutDummy)

- Click “Apply”

- To set the associated prompt for the IFRAME element, click the Update Item icon next to the “Message Component Layout: (DetailContainerRN1)” element.

Scope: Region: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG.HeaderRN
 Document Name: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG
 Function: Credit Card Create/Update Page
 Site: Include
 Organization: Vision Operations
 Responsibility: Field Service Dispatcher, Vision Operations

Search

Style:
 Title/Prompt/Text:
 Include Personalized Items Only

Personalization Structure

Simple View Complete View
 Expand All | Collapse All

Focus Name	User				Seeded			
	Shown	Personalizable	Personalize	Reorder		Item	Update	Delete
Header: (HeaderRN)	Yes							
Message Component Layout: (CreditCardCreateRN)	Yes							
Message Styled Text: Card Holder	Yes							
Message Layout: (CreditCardCreateRN_mIRN)	Yes							
Message Text Input: Credit Card	Yes							
Message Layout: (CreditCardCreateRN_mIRN1)	Yes							
Message Choice: Card Brand	Yes							
Message Text Input: Expiration Date	Yes							
Message Text Input: Name on Card	Yes							

- Then set the Prompt value to “Number” (without the quotes)

Update Item

* Indicates required field

Level **Site**
Item Style **Message Layout**

Property	Value
* ID	CreditCardCreateRN_mIRN1
Admin Personalization	true
Attribute Set	
Comments	
Extends	
Prompt	Number
Rendered	true
Scope	

18. Click Apply

19. The personalization page should now resemble the following:

The screenshot shows the Oracle Personalization Structure page. At the top, it displays the document name: /oracle/apps/cs/csz/creditcards/webui/CreditCardPG. Below this, there is a search bar with a 'Style' dropdown set to 'Message Layout' and a 'Go' button. The main area is titled 'Personalization Structure' and shows a tree view of the structure. The tree includes 'Header: (HeaderRN)', 'Message Component Layout: (CreditCardCreateRN)', 'Message Styled Text: Card Holder', 'Message Layout: (CreditCardCreateRN_mIRN1)', 'Message Text Input: Credit Card', 'Message Layout: Number', 'Message Choice: Card Brand', 'Message Text Input: Expiration Date', 'Message Text Input: Name on Card', 'Message Layout: (messageLayoutSpace)', 'Spacer: (spacer1)', 'Spacer: (spacer2)', and 'Message Text Input: Financial Institution'. To the right of the tree is a table with columns: 'User', 'Shown', 'Personalizable', 'Personalize', 'Reorder', 'Create Item', 'Update Item', 'Delete Item', and 'Seeded User Views'. The table contains 'Yes' or 'No' values for each row, along with icons for personalization actions.

20. Click Return to Application link at the bottom of the page

21. Before using the personalization, you must clear your browser cache. You may also need to clear Oracle's cache via the Functional Administrator responsibility.

CardConnect IFRAME

The final component for the solution is the HTML code for the IFRAME which will reside on the CardConnect server used by your site. In the URLs below, please replace <site> with your Card Connect site name.

The URL for DEV this resource when not using a swipe device (PANPAD) is https://<site>-uat.cardconnect.com/c/ccIFrameTokenizer_service_base.html.

The URL for DEV this resource when using a swipe device (PANPAD) is https://<site>-uat.cardconnect.com/c/ccIFrameTokenizer_SWIPE_service_base.html.

The URL for PROD this resource when not using a swipe device (PANPAD) is https://<site>.cardconnect.com/c/ccIFrameTokenizer_service_base.html.

The URL for PROD this resource when using a swipe device (PANPAD) is https://<site>.cardconnect.com/c/ccIFrameTokenizer_SWIPE_service_base.html.

The server reference for the customer EBS server name must be changed in the script below by updating the ebsHost value.

If the URL, servername or filename changes, please be sure to update the IFRAME reference in Step 3 under "Configuring Card Related Items" above.

The generic code for the IFRAME on the CardConnect server is included here for completeness however no action is required on part of the customer to deploy.

```
<html>
<head>
  <script>

  // standard CardConnect tokenization elements -----

  var cnumCheck = "";
  var win = window.parent;
  var sourceURL = document.referrer;

      var ccfield = "";
  function nameField() {
    ccfield = document.getElementById("cardNumber");
    ccfield.value = "";
    var rand = Math.floor(Math.random() * 10000000);
    var name = "cnum" + rand;
    ccfield.setAttribute("name", name);
                                resetCard();
  }

      //return the base host URL for use when invoke web services
  function getHostUrl() {
    var protocol = window.location.protocol;
    var hostname = window.location.hostname;
    var port = window.location.port;
    var host = protocol + "://" + hostname;
    if (port) {
if (port=="8443") port = "443";
                                host = host + ":" + port;
    }
    return host;
  }

      function resetCard() {

    win.postMessage("value:cardNumber:EMPTY",sourceURL);
    cnumCheck = "";
    ccfield.value = "";
    ccfield.focus();

  }

  function getToken() {

    var host = getHostUrl();
    var untrimmedCcip = "";

    var ccip = "";
    untrimmedCcip = ccfield.value;
    ccip = untrimmedCcip.replace(/^\s+|\s+$/gm, '');

    if(ccip==null || ccip.length == 0) {
      win.postMessage("value:cardNumber:EMPTY",sourceURL);
      ccfield.value = "";
      cnumCheck = "";
    } else if (ccip == cnumCheck) {

    } else if (ccip.length >= 13 && ccip.length <= 19 && ccip != cnumCheck ) {
      var headID = document.getElementsByTagName("head")[0];
      var newScript = document.createElement('script');
      newScript.type = 'text/javascript';
      var url = host + '/cardsecure/cs?action=CE&type=json&data=' + ccip;
      newScript.src = url;
      headID.appendChild(newScript);

    } else {
      if (ccfield.value != cnumCheck) {
        win.postMessage("alert:Please enter a valid card
number.",sourceURL);
      }
    }

    resetCard();
  }
}

```

```

    }
}

function processToken(resp) {
    eval (resp);

    if (resp.action!="ER") {
        ccfield.value = "*****" + resp.data.substring(12);
        ccnumCheck = ccfield.value;
        win.postMessage("value:cardNumber:"+resp.data,sourceURL);
    } else {
        win.postMessage("alert:Please enter a valid card number.",sourceURL);
        resetCard();
    }
}

// this listener handles all events

function listener(event) {
    if(event.data!=null) {
        var actionEnd = event.data.indexOf(":");
        var action = event.data.substring(0,actionEnd);

        switch(action) {

            case "focus" :
                var target = event.data.substring(actionEnd+1);
                document.getElementById(target).focus();
                break;

            case "alert" :
                var msg = event.data.substring(actionEnd+1);
                alert(msg);
                break;

            case "value" :
                var targetValuePair = event.data.substring(actionEnd+1);
                var targetEnd = targetValuePair.indexOf(":");
                var target = targetValuePair.substring(0,targetEnd);
                var value = targetValuePair.substring(targetEnd+1);

                if(value.equals("EMPTY")) {
                    document.getElementById(target).value = "";
                } else {
                    document.getElementById(target).value = value;
                }

                break;

            default:
                break;
        }
    }
}

// add the event listener to the page

if (window.addEventListener) {
    addEventListener("message", listener, false)
} else {
    attachEvent("onmessage", listener)
}

</script>
</head>

<body style="background:transparent" tabindex = "-1" onload ="nameField()"
onfocus="ccfield.focus();">
<!--body style="background:transparent"-->
<form name="tokenizer" onsubmit="return false;">
    <input name="ccnum" id="ccnum" size="20" maxlength="19" type="text" autocomplete="off"
onblur="getToken()" />
</form>
</body>
</html>

```

Post-Work

The following steps should be executed after defining the personalization:

1. Set Profile Option: FND: Personalization Region Link Enabled = No
2. Set Profile Option: Personalize Self-Service Defn = No

CardConnect IFRAME Personalization for Sales Quote

This document is intended to serve as a guide to enable an XXPPS personalization to use an embedded IFRAME to prevent credit card numbers from being entered directly into the Credit Card Number field under:

- Sales User -> Sales Dashboard -> Quotes -> Shipping and Billing -> Payment

Pre-Work

The following steps should be executed before defining the personalization:

1. Set Profile Option: FND: Personalization Region Link Enabled = Yes
3. Set Profile Option: Personalize Self-Service Defn = Yes

Approach

The general approach to installing or enabling this personalization relies on the following 5 steps:

1. Insert JavaScript function definitions into the header of the target page
2. Add IFRAME tag to embed new credit card number field into page
3. Add a small script to hide elements

Please note: elements rendered in **red** in this document are location or server dependent. Please be sure to update these values if the filenames, servernames or deployment locations change.

Page Layout

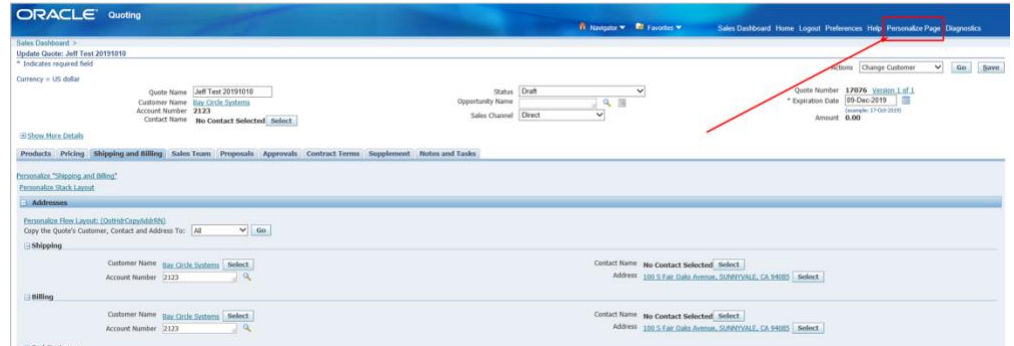
First let's examine the page and identify points for integration. The two arrows below will be addressed as follows:

1. Personalization at page header to embed function definitions
2. Personalization on the "Shipping and Billing" tab to define when the iFrame is rendered

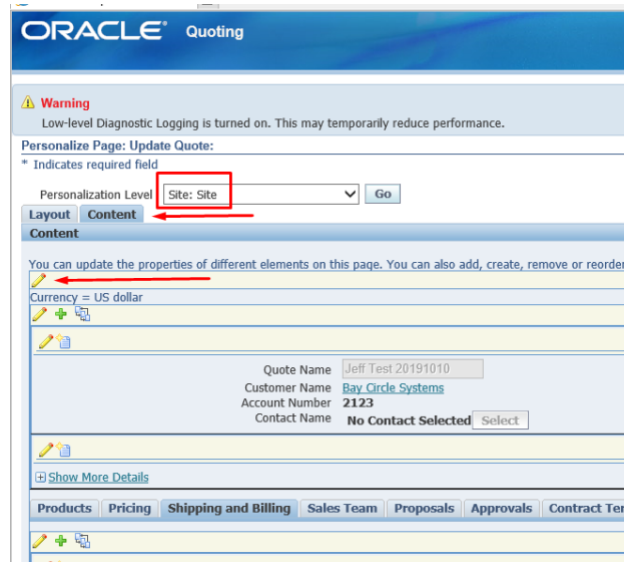
Embedding Header JavaScript Function Definitions

We will begin with the steps required to enable the personalization for embedding the JavaScript function definitions. To enable this personalization, please perform the following steps:

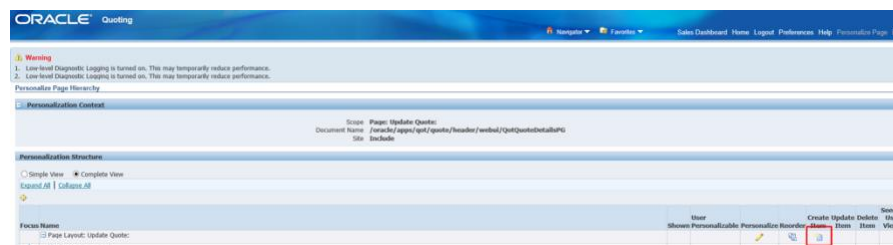
1. Visit the targeted page
2. Click on “Personalize Page” in the top right hand corner of the screen



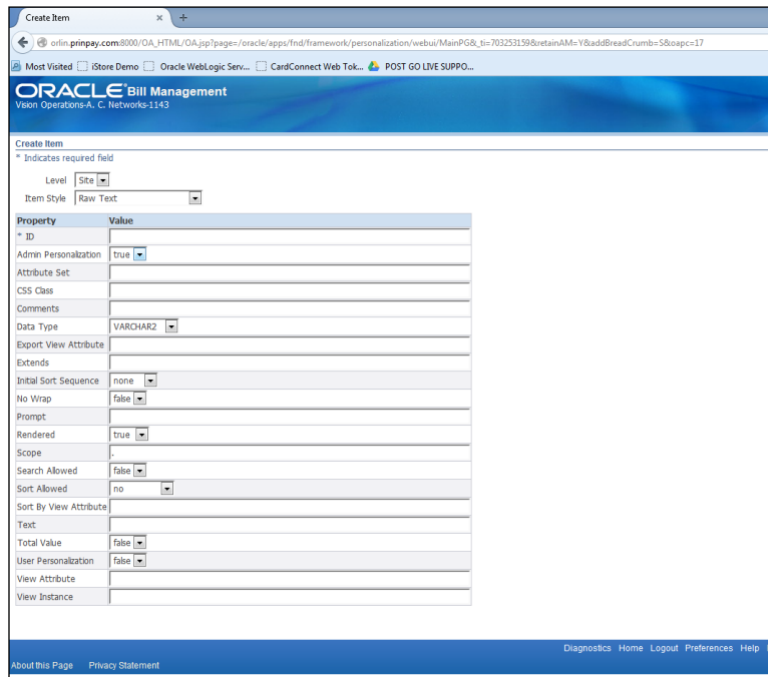
3. Change the personalization level to the site, change the tab to Content and click on the pencil icon closest to the top



4. Click on *Create Item* for the *Page Layout: Upade Quote:*



5. Fill in the following details on the Create Item form:



Property	Value
Item Style	Raw Text
ID	xxppsARIFRAMEScript
Text	<p>Replace <IFRAME VALUE FROM ABOVE> in the below script with the necessary URL from the table below. Replace https://<site>.cardconnect.com with the correct site, adding -uat if appropriate. Once the two values are updated, paste in the entire copy and paste the script into the <i>Text</i> field.</p> <p>For example, if bobsauto were to use SRED devices in DEV they would replace: <code>src="<IFRAME VALUE FROM ABOVE>"</code> and <code>https://<site>.cardconnect.com</code> with: <code>src="https://bobsauto-uat.cardconnect.com/c/ccIFrameTokenizer_SWIPE_base.html"</code> and <code>https://bobsauto-uat.cardconnect.com</code></p>

```

DEV (Non-Swipe device):
https://<site>-uat.cardconnect.com/c/ccIFrameTokenizer_base.html

DEV (Using swipe device):
https://<site>-uat.cardconnect.com/c/ccIFrameTokenizer_SWIPE_base.html

PROD (Non-Swipe device):
https://<site>.cardconnect.com/c/ccIFrameTokenizer_base.html

PROD (Using swipe device):
https://<site>.cardconnect.com/c/ccIFrameTokenizer_SWIPE_base.html

```

```

<script> function clearCard() { if (document.getElementById("QotCCiFrameTbl").rows.length
== 0){ document.getElementById("QotPmtCrdCrdNum").readOnly = false;
document.getElementById("QotPmtCrdCrdNum").value = ''; if(document.fireEvent) {
document.getElementById("QotPmtCrdCrdNum").fireEvent('onchange'); } else { var event =
document.createEvent("HTMLEvents"); event.initEvent("change",true,false);
document.getElementById("QotPmtCrdCrdNum").dispatchEvent(event); } var iFrameTbl =
document.getElementById("QotCCiFrameTbl"); var iFrameTblRow = iFrameTbl.insertRow(0); var
iFrameLabel = iFrameTblRow.insertCell(0); iFrameLabel.innerHTML = '* Credit Card Number';
var iFrameTokenizer = iFrameTblRow.insertCell(1); iFrameTokenizer.innerHTML = '<iframe
id="xxppsIframe" marginwidth="0" scrolling="no" height="32" frameborder="0" src="<IFRAME
VALUE FROM ABOVE>" allowTransparency="true"></iframe>';
document.getElementById("QotPmtCrdCrdNum__xc ").style.display = "none"; } } function
getOptionsValue (target, targetText) { var optionText = ""; var targetOptions =
document.getElementById(target).options; for (var i = 0; i < targetOptions.length; i++) {
optionText = targetOptions[i].text; if (optionText == targetText ) { return
targetOptions[i].value; } } return; } function maintTabOrder(e) { var keycode =
e.keyCode; if (keycode==9) { iframeWin =
document.getElementById("xxppsIframe").contentWindow;
iframeWin.postMessage("focus:ccnum","https://<site>.cardconnect.com"); return false; }
else { return true; } } function listener(event) {
document.getElementById("QotPmtCrdCrdNum").readOnly = true; if(event.data!=null) { var
actionEnd = event.data.indexOf(":"); var action = event.data.substring(0,actionEnd);
switch(action) { case "focus" : var target = event.data.substring(actionEnd+1);
document.getElementById(target).focus(); break; case "alert" : var msg =
event.data.substring(actionEnd+1); alert(msg); break; case "value" : var targetValuePair
= event.data.substring(actionEnd+1); var targetEnd = targetValuePair.indexOf(":"); var
target = targetValuePair.substring(0,targetEnd); var value =
targetValuePair.substring(targetEnd+1); if(value == "EMPTY") {
document.getElementById(target).value = ""; alert("Value is empty!"); } else { if (target
== "NewCreditCardExpMonth") { document.getElementById("QotPmtMonth").value =
getOptionsValue("QotPmtMonth",value); } else if (target == "NewCreditCardExpYear") {
document.getElementById("QotPmtYear").value = getOptionsValue("QotPmtYear",value); } else
{ document.getElementById("QotPmtCrdCrdNum").value = value; } } break; default: break; }
} } if (window.addEventListener) { addEventListener("message", listener, false); } else {
attachEvent("onmessage", listener); } </script>

```

6. Once complete, your page should look like the following:

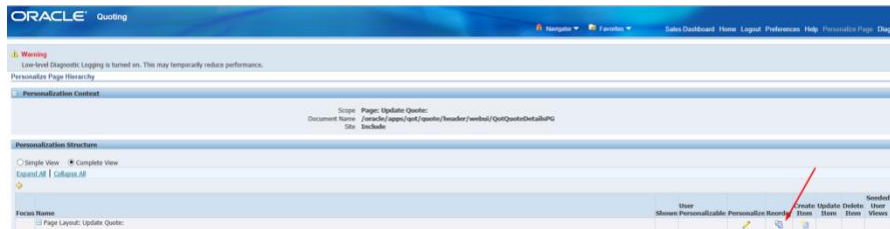
ORACLE® Quoting

Warning
Low-level Diagnostic Logging is turned on. This may temporarily reduce performance.

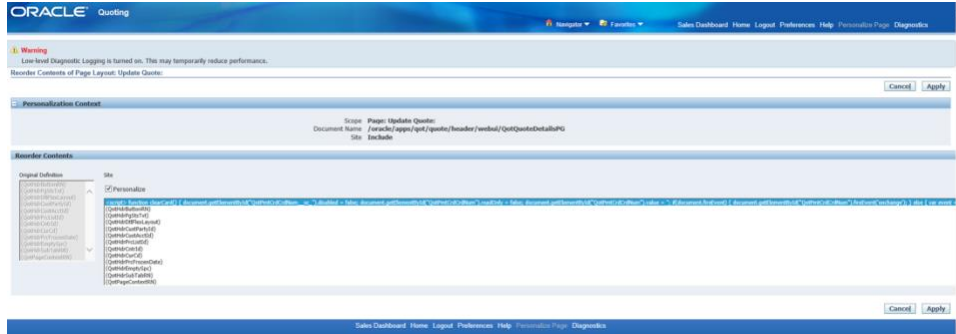
Update Item
* Indicates required field

Property	Value	Level	Site
		Item Style	Raw Text
* ID	xxppsARIFrameScript		
Admin Personalization	true		
Attribute Set			
CSS Class			
Comments			
Data Type	VARCHAR2		
Export View Attribute			
Extends			
Initial Sort Sequence	none		
No Wrap	false		
Prompt			
Rendered	true		
Scope	.		
Search Allowed	false		
Sort Allowed	no		
Sort By View Attribute			
Text	<script> function clearCard() { document.getElementById("QotPmtCrdCrdNum__xc		
Total Value	false		
User Personalization	false		
View Attribute			
View Instance			

7. Click Apply and select *Reorder* on the *Page Layout: Update Quote*

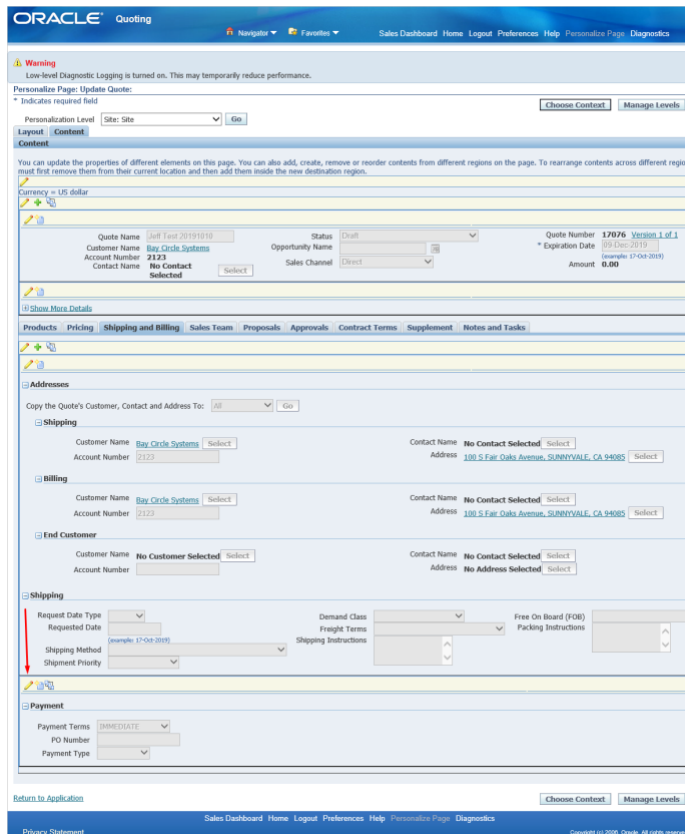


- Find the value that begins with `<script>` and move it to the top of the list. At the end it should look like the following:

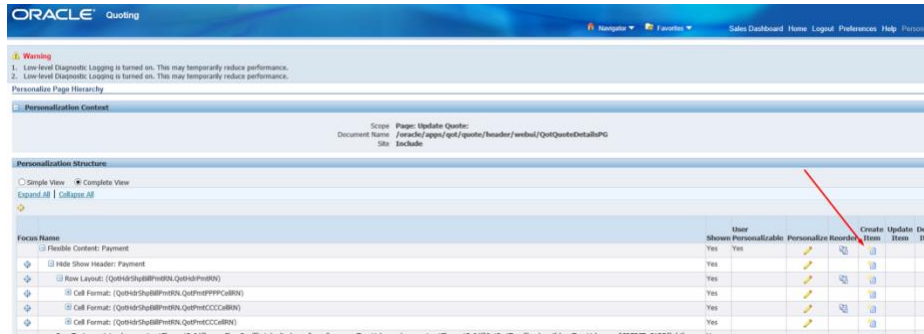


Embedding Elements to Payments Section

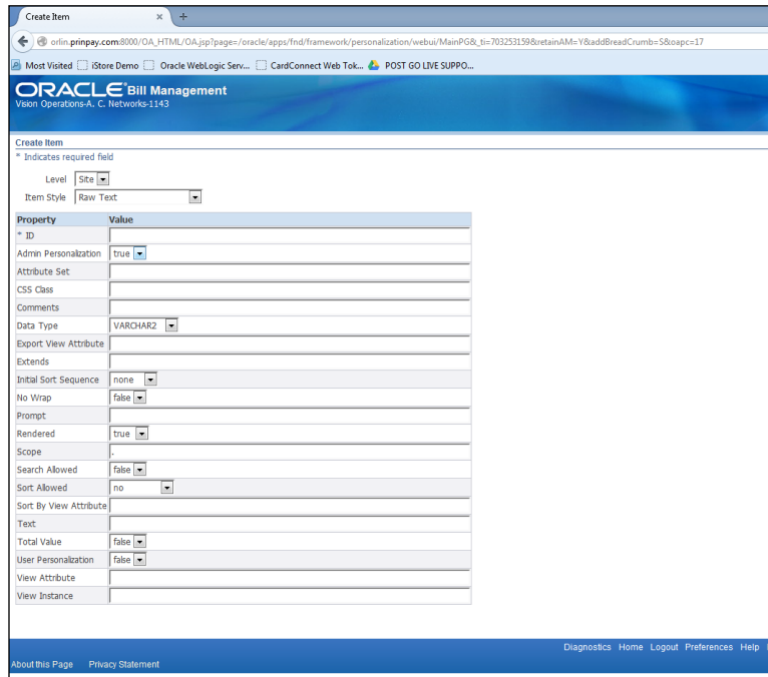
- Return to the Update Quote personalization page and click the pencil right above the *Payments* section



2. Click on *Create Item* for *Flexible Content: Payment*



3. Fill in the following details on the Create Item form:



Property	Value
Item Style	Raw Text
ID	xxppsRenderIFrame
Rendered	SPEL
SPEL value	\$(oa.QotHdrShipBillPVOObj.PmtCCRen)
Text	<p>Replace <IFRAME VALUE FROM ABOVE> in the below script with the necessary URL from the table below. Once the value is updated, paste in the entire copy and paste the script into the <i>Text</i> field.</p> <p>For example, if bobsauto were to use SRED devices in DEV they would replace: <code>src="<IFRAME VALUE FROM ABOVE>"</code> with: <code>src="https://bobsauto-uat.cardconnect.com/c/ccIFrameTokenizer_SWIPE_base.html"</code></p>

DEV (Non-Swipe device):
https://<site>-uat.cardconnect.com/c/ccIFrameTokenizer_base.html

DEV (Using swipe device):
https://<site>-uat.cardconnect.com/c/ccIFrameTokenizer_SWIPE_base.html

PROD (Non-Swipe device):
https://<site>.cardconnect.com/c/ccIFrameTokenizer_base.html

PROD (Using swipe device):
https://<site>.cardconnect.com/c/ccIFrameTokenizer_SWIPE_base.html

```
<script> if(document.getElementById("xxppsClearCard")) {
document.getElementById("xxppsClearCard").style.display = "none"; } if
(document.getElementById("QotPmtCrdCrdNum").value == undefined ||
document.getElementById("QotPmtCrdCrdNum").value == null ||
document.getElementById("QotPmtCrdCrdNum").value.length == 0) { var iFrameTbl =
document.getElementById("QotCCiFrameTbl"); var iFrameTblRow = iFrameTbl.insertRow(0); var
iFrameLabel = iFrameTblRow.insertCell(0); iFrameLabel.innerHTML = "* Credit Card Number";
var iFrameTokenizer = iFrameTblRow.insertCell(1); iFrameTokenizer.innerHTML = '<iframe
id="xxppsIframe" marginwidth="0" scrolling="no" height="32" frameborder="0" src="<IFRAME
VALUE FROM ABOVE>" allowTransparency="true"></iframe>'; } else {
document.getElementById("xxppsClearCard").style.display = "inline"; }
document.getElementById("QotPmtCrdCrdNum").readOnly = true; </script>
```

4. Once complete, your page should look like the following:

The screenshot shows the Oracle Quoting application interface. At the top, there is a blue header with the Oracle logo and the word "Quoting". Below the header, there is a warning message: "Warning: Low-level Diagnostic Logging is turned on. This may temporarily reduce performance." Underneath the warning, there is a section titled "Update Item" with a note: "* Indicates required field".

The main part of the screenshot is a configuration form for a property. The form has a table-like structure with columns for "Property", "Value", "Level", "Site", "Item Style", and "Raw Text". The "Property" column is highlighted in blue. The "Value" column contains the value "xxppsRenderIframe".

Property	Value	Level	Site	Item Style	Raw Text
* ID	xxppsRenderIframe				
Admin Personalization	true				
Attribute Set					
CSS Class					
Comments					
Data Type	VARCHAR2				
Export View Attribute					
Extends					
Initial Sort Sequence	none				
No Wrap	false				
Prompt					
Rendered	true				
Scope	.				
Search Allowed	false				
Sort Allowed	no				
Sort By View Attribute					
Text	<script> document.getElementById("xxsnpClearCard").style.display = "none"; var p;				
Total Value	false				
User Personalization	false				
View Attribute					
View Instance					

5. Click Apply and select *Create Item* on the second cell

Create Item

Oracle Bill Management
Vision Operations-A, C, Networks-1143

Create Item
* Indicates required field

Level

Property	Value
* ID	
Admin Personalization	true
Attribute Set	
CSS Class	
Comments	
Data Type	VARCHAR2
Export View Attribute	
Extends	
Initial Sort Sequence	none
No Wrap	false
Prompt	
Rendered	true
Scope	.
Search Allowed	false
Sort Allowed	no
Sort By View Attribute	
Text	
Total Value	false
User Personalization	false
View Attribute	
View Instance	

Diagnosics Home Logout Preferences Help

About this Page Privacy Statement

Property	Value
Item Style	Button
ID	xxppsClearCard
Destination URI	javascript:clearCard()
Prompt	Add new card
Rendered	SPEL
SPEL value	\${oa.QotHdrShipBillPVOObj.PmtCCRen}

ORACLE Quoting Navigation

Warning
Low-level Diagnostic Logging is turned on. This may temporarily reduce performance.

Reorder Contents of Cell Format: (QotHdrShpBillPmtRN.QotPmtCCCMsgCmpRN)

Personalization Context

Scope: **Page: Update Quote:**
Document Name: /oracle/apps/quot/quote/header/webui/QtQuoteDetailsPG
Site: Include

Reorder Contents

Original Definition

(QotHdrShpBillPmtRN.QotPmtCCCMsgCmpRN)

Site

Personalize

Add new card
joppsfFrameTbl
(QotHdrShpBillPmtRN.QotPmtCCCMsgCmpRN)

13. Click on *Personalize* for *Credit Card Number*

Personalize Page Hierarchy

Scope: **Region: Shipping and Billing**
Document Name: /oracle/apps/quot/quote/header/webui/QtQuoteDetailsPG
Site: Include

Personalization Structure

Simple View | Complete View

Focus Name	User Shown	Personalizable	Personalize	Reorder	Create Item	Update Item	Delete Item	See Use View
Flexible Content: Payment	Yes	Yes						
Hide Show Header: Payment	Yes	Yes						
Row Layout: (QotHdrShpBillPmtRN.QotPmtCCCMsgCmpRN)	Yes	Yes						
Cell Format: (QotHdrShpBillPmtRN.QotPmtCCCMsgCmpRN)	Yes	Yes						
Cell Format: (QotHdrShpBillPmtRN.QotPmtCCCMsgCmpRN)	Yes	Yes						
Button: Add new card								
Raw Text: joppsfFrameTbl								
Message Component Layout: (QotHdrShpBillPmtRN.QotPmtCCCMsgCmpRN)	Yes	Yes						
Message Text Input: Credit Card Number								
Message Text Input: Check Number								
Message Choice: Credit Card Brand								
Message Text Input: Security Code								
Cell Format: (QotHdrShpBillPmtRN.QotPmtCCCMsgCmpRN)	Yes	Yes						

Note: A red arrow points to the 'Personalize' column for 'Message Text Input: Credit Card Number'.

Return to Personalize Page

Sales Dashboard Home Logout Preferences Help Personalize Page Diagnostics

14. Edit the *Prompt* value to read *Token on file*

Personalize Message Text Input - Credit Card Number

Scope: **Region: Shipping and Billing**
Document Name: /oracle/apps/quot/quote/header/webui/QtQuoteDetailsPG
Site: Include

Personalization Properties

Clear Personalization [Go] Choose Levels Displayed

Original Definition	Site	Result / Source
Access Key Default	Inherit	5 Default / Original Definition
Additional Text Default	Inherit	5 Default / Original Definition
Admin Personalization true	Inherit	5 true / Original Definition
CSS Class Default	Inherit	5 Default / Original Definition
Destination Function Default	Inherit	5 Default / Original Definition
Export View Attribute Default	Inherit	5 Default / Original Definition
Initial Value Default	Inherit	5 Default / Original Definition
Length Default	Inherit	5 Default / Original Definition
Long Tip Region Default	Inherit	5 Default / Original Definition
Maximum Length 240	Inherit	5 240 / Original Definition
Prompt Credit Card Number	Token on file	5 Token of file / Site
Read Only \$(oa.QotHdrShpBillPmtRN.QotPmtCCCMsgCmpRN)	Inherit	5 \$(oa.QotHdrShpBillPmtRN.QotPmtCCCMsgCmpRN) / Original Definition
Rendered \$(oa.QotHdrShpBillPmtRN.QotPmtCCCMsgCmpRN)	Inherit	5 \$(oa.QotHdrShpBillPmtRN.QotPmtCCCMsgCmpRN) / Original Definition
Search Allowed false	Inherit	5 false / Original Definition
Selective Search Criteria false	Inherit	5 false / Original Definition
Sort Allowed no	Inherit	5 no / Original Definition
Tip Message Name Default	Inherit	5 Default / Original Definition
Tip Type none	Inherit	5 none / Original Definition
Total Value false	Inherit	5 false / Original Definition
User Personalization false	Inherit	5 false / Original Definition

Clear Personalization [Go] Choose Levels Displayed

TIP The table rows show the personalizable properties for the object. Table columns show the personalization levels for each property. Any property set to inherit will assume its value from the next highest level.

15. Click *Apply* and select *Reorder* for the *Message Component Layout: (QotHdrShpBillPmtRN.QotPmtCCCMsgCmpRN)*

Personalization Context

Scope: Page: Update Quote
Document Name: /oracle/apps/qot/quote/header/webui/QotQuoteDetailsPG
Site: Include

Personalization Structure

Single View | Complete View

Expand All | Collapse All

Facet Name	User Shows	Personalizable	Personalization Responder	Create	Update	Delete	Used	Control
Flexible Content: Payment	Yes	Yes						
Hide Show Header: Payment	Yes	Yes						
Raw Layout: (QotHdrShpBllPmtRN.QotPmtRN)	Yes	Yes						
Call Format: (QotHdrShpBllPmtRN.QotPmtRN)	Yes	Yes						
Call Format: (QotHdrShpBllPmtRN.QotPmtRN)	Yes	Yes						
Button: Add new card	Yes	Yes						
Raw Text: xxxpFrameT3	Yes	Yes						
Message Component Layout: (QotHdrShpBllPmtRN.QotPmtRN)	Yes	Yes						
Call Format: (QotHdrShpBllPmtRN.QotPmtRN)	Yes	Yes						
Raw Text: <script> document.getElementById("xxxpNewCard").style.display = "none"; var payTypeValue = document.getElementById("QotPmtType").value; if (payTypeValue == "CREDIT_CARD") { if (document.getElementById("QotPmtCrdColspan").value == undefined document.getElementById("QotPmtCrdColspan").value == null document.getElementById("QotPmtCrdColspan").value.length == 0) { document.getElementById("QotPmtCrdColspan").readOnly = false; document.getElementById("QotPmtCrdColspan").value = "1"; } else { document.getElementById("QotPmtCrdColspan").value = "1"; } } else { document.getElementById("QotPmtCrdColspan").value = "1"; } }</script>	Yes	Yes						

16. Move *Token on file* to the top of the list

Reorder Contents of Message Component Layout: (QotHdrShpBllPmtRN.QotPmtRN)

Personalization Context

Scope: Region: Shipping and Billing
Document Name: /oracle/apps/qot/quote/header/webui/QotQuoteDetailsPG
Site: Include

Reorder Contents

Original Definition Site

Check Number
Credit Card Brand
Token on file
Security Code

Personalize

Token on file
Check Number
Credit Card Brand
Security Code

Post-Work

The following steps should be executed after defining the personalization:

1. Set Profile Option: FND: Personalization Region Link Enabled = No
2. Set Profile Option: Personalize Self-Service Defn = No

Internet Explorer Settings

To ensure that Internet Explorer renders the iframes correctly, we recommend that the browser security settings be set at Medium-high.

