

## Implementing VWW button

1. First, proceed with script composition with the sample script on the [Partner Portal](#) or refer to the [Integration sample code](#).
2. Create the tokenized card data (Cdata). Card data is the actual content of the wallet card and it has several formats based on the card type. Refer to the [CData Generation Sample Code](#) for details.

For "Verify with Samsung Wallet" integration, you may also need some base data. You can find that and other necessary information on Partners Portal

## Implementing VWW button on the Web

## Web Button Reference with Importing API JavaScript

To automatically parse `<samsung:wallet>` HTML tags when the page is loaded, partners should include the following standard JavaScript:



X



## SDC24

Attribute	Description
cardid <a href="#">String</a>	(Required) Wallet card identifier * Value granted from the Partners Portal.
cdata <a href="#">String</a>	(Required) Encrypted card object (JSON). * This field needs to be encrypted. * Refer to <a href="#">Security</a> for more details.
partnercode <a href="#">String</a>	(Required) Partner code. * Value granted from the Partners portal.
buttonid <a href="#">String</a>	(Required) DOM element ID for the "Verify with Samsung Wallet" web button for Samsung Wallet
buttontype <a href="#">String</a>	(Optional) "Verify with Samsung Wallet" button type. ["btnSW" / "btnATSW" / "qrcode", default: btnSW]
authToken <a href="#">String</a>	(Optional) Token generated when "qrcode" is used. * Required only if the "buttonType" is set to "qrcode"
model <a href="#">String</a>	(Optional) Device model to display button * By default, value from User-Agent is used. If no value from User-Agent, the button is displayed. * To display buttons only on devices supporting Samsung Wallet, explicitly include the model name. * For example, you can retrieve the device model name (e.g., SM-S928F) from the browser's User-Agent.
inline <a href="#">String</a>	(Optional) Flag to display the "Verify with Samsung Wallet" image button in one-line format. Default: true (one-line).
locale <a href="#">String</a>	(Optional) Locale of the "Verify with Samsung Wallet" image button.
rdclickurl <a href="#">String</a>	(Required) URL for logging a button click event. * Value granted from the Partners Portal.
rdimpressionurl <a href="#">String</a>	(Required) URL for logging a button impression event. * Value granted from the Partners Portal.
showforced <a href="#">String</a>	(Optional) Flag to force the "Verify with Samsung Wallet" button to be displayed. Default: false.



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# samsungWallet.addButton Function

This function allows partners to explicitly render the Samsung Wallet API for the "Verify with Samsung Wallet" web button.

```
samsungWallet.addButton({
  type: "vww",
  cardId: "CARD_ID",
  cdata: "CDATA",
  partnerCode: "PARTNER_CODE",
  targetId: "TARGET_ID",
  buttonId: "BUTTON_ID",
  buttonType: "btnVWSW",
  RDClickUrl: "RD_CLICK_URL",
  RDImpressionUrl: "RD_IMPRESSION_URL",
})
```

## Button attributes

Unlike the samsung:wallet HTML tag, you must use camelCase in the button attributes in function case.

Attribute	Description
type <a href="#">String</a>	(Required) Service type. Default is "atw" <ul style="list-style-type: none"><li>"atw" : 'Add to Samsung Wallet'</li><li>"vww" : Verify with Samsung Wallet</li></ul>
cardId <a href="#">String</a>	(Required) Wallet card identifier * Value granted from the Partners Portal.
cdata <a href="#">String</a>	(Required) Encrypted card object (JSON). * This field needs to be encrypted. * Refer to <a href="#">Security</a> for more details.
partnerCode <a href="#">String</a>	(Required) Partner code. * Value granted from the Partners portal.
targetId <a href="#">String</a>	(Required) DOM (Document Object Model) Element ID to place the "Verify with Samsung Wallet" web button for Samsung Wallet
buttonId <a href="#">String</a>	(Required) DOM Element ID for the "Verify with Samsung Wallet" web button for Samsung Wallet
buttonType <a href="#">String</a>	(Optional) "Verify with Samsung Wallet" button type.



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Attribute	Description
<code>RDClickUrl</code> <a href="#">String</a>	(Required) URL for logging a button click event. * Value granted from the Partners Portal.
<code>RDimpressionurl</code> <a href="#">String</a>	(Required) URL for logging a button impression event. * Value granted from the Partners Portal.
<code>showForced</code> <a href="#">String</a>	(Optional) Flag to force the "Verify with Samsung Wallet" button to be displayed. Default: false.
<code>mediaTheme</code> <a href="#">String</a>	(Optional) Load the button's resources from the media theme policy. There are 4 themes: default, inversion, lightonly, and darkonly. Default: default. *default: Load the button's theme according to the prefers-color-scheme policy. *inversion: Load the inverse of the default button's theme. *lightonly: Load the light theme of the default button. *darkonly: Load the dark theme of the default button.
<code>style</code> <a href="#">Object</a> ( <a href="#">CSSStyleDeclaration</a> )	(Optional) Load the button with custom style
<code>onShowButton</code> <a href="#">Function</a>	(Optional) Callback handler function for the button's on-show event
<code>onClickButton</code> <a href="#">Function</a>	(Optional) Callback handler function for the button's on-click event. If you register the handler function, you must return a callback or promise value.

### Usage of `onClickButton` Handler

Partners can choose whether to proceed with the next "Verify with Samsung Wallet" step using a promise or a callback function, if they register a callback handler in `onClickButton`.

We recommend that partner add the process of generating JWT cdata (add cdata to `options.cdata`) to this handler, because of the cdata expiration time.

The function parameters are defined as follows.

Attribute	Description
<code>options</code> <a href="#">Button attributes</a>	(Optional) Attributes of the current button
<code>callback</code> <a href="#">Function</a>	(Optional) Callback function to pass the flag to proceed. Default: false.



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```
onClickButton: async (options) => {
  return new Promise(async (resolve, reject) => {
    // TODO partner's process (await)
    resolve(flag)
  })
}
```

## Implementing VWW button on the App

This section explains how to implement an "Verifying with Samsung Wallet" button in the partner's app. Please download below sample code and refer it

Refer to [Android Sample Code](#)

## Data Transmit Link

The most common and straightforward method is the Data Transmit Link approach, which securely includes tokenized data in the ATW link. The ATW link format for this method is as follows.

- The name Data Transmit Link has been changed from Typical flow.

Type	Value	Description
URL	https://a.swallet.link/vww/v1/{cardId}#Clip?cdata={cdata}	
Path parameters	cardId <i>String</i>	(Required) Wallet card identifier issued from Partner portal when the partner manager signs up for partner services and registers the wallet card they want to service.
Hash path parameters	#Clip <i>String</i>	(Required) Parameters for the Hash link * The first letter is capitalized
Query parameters	cdata <i>String</i>	(Required) Actual payload data in basic JSON format to communicate between partners and Samsung Wallet. This must be secured in JWT(JSON Web Token) format. * Refer to <a href="#">Security</a> for more details.

[Example]

```
https://a.swallet.link/vww/v1/1656147182764415319#Clip?
cdata=eyJjdHkiOiJKV1QiLCJhbGciOiJsInRpbWVzdGFtcCI6ImNyZWZ0ZWQgdGltZSIsInBhcnRuZXJJRCI6InBhcnRuZXIlgS
UQifQ.
.....
```



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