

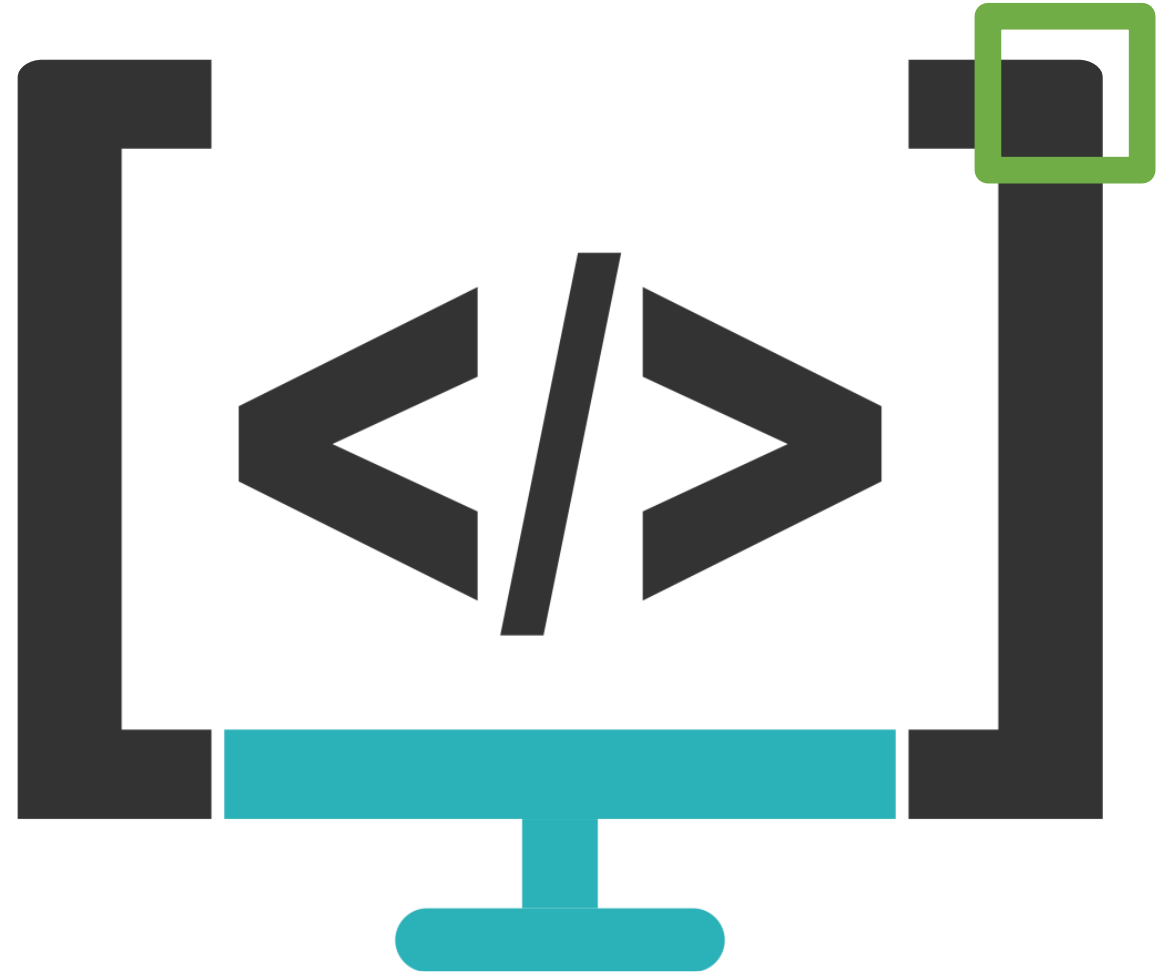


BASIS

TECHNOLOGIES

<https://basistech.in>

Crypto PKI Web



<https://pki.basisech.in>

[Crypto PKI Web] is a browser extension and Desktop App to enable documents digital signing, signature verification and document encryption in web pages which works with most of the popular browsers available today.

- Simple digital signing of documents from a web browser with user's digital certificates
- Enables document signing using cryptographic devices.
- Complex file operations having multiple files encryption, signing supported
- Easy and customized integration of signing component into existing web applications



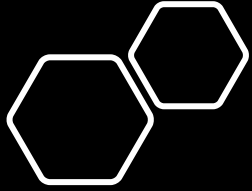
Signing and Verifying Data :
Demo Interface
[[https://
pki.basistech.in](https://pki.basistech.in)]

The screenshot shows the COT web interface with a DSC Selector dialog box open. The dialog box displays the following certificate details:

Certificate Details	
Issued To	MSTCDS2
Issued By	MSTCDS2
Issue Date	28-08-2014 10:40:11
Expiration Date	09-09-2024 10:40:11

At the bottom of the dialog box, there are two buttons: "Select Certificate" and "Exit".

The background interface shows the "Data" tab selected, with fields for "Input/Key" (Text to Sign), "Output", and "Message". Below these fields is a dropdown menu for "Operations using DSC" set to "Sign and Verify". A "Submit" button is located at the bottom right of the main interface. The mode is set to "Deatched" (radio button selected).



API

Sign Data (Detached and Enveloped)

<https://github.com/basistechnologies/pki.basistech.in/wiki>

Sign Data

- Mode: Detached
- Input Type: Data
- API:

```
Sign (data, true);
```

- Example:

```
Sign(document.getElementById('sign-text').value,document.getElementById("r1").checked);  
Sign('example data to sign', true);
```

- Output:

```
{"data": "Du1SAjmn2ILGZl0p+l0jeg2/MaAOM+4ced6nV5bU0aLdZAsKLpkMZgc6CpP8ShzLo9ymx1Lnsa2NbM0pHZua75B70nxBFzGNCU5RYLwKk"}
```

Sign Data

- Mode: Enveloped
- Input Type: Data
- API:

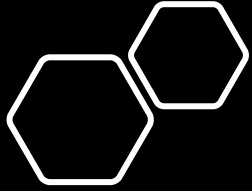
```
Sign (data, false);
```

- Example:

```
Sign(document.getElementById('sign-text').value,document.getElementById("r1").checked);  
Sign('example data to sign', false);
```

- Output:

```
{"data": "MIIFsAYJKoZIhvcNAQcCoIIFoTCCBZ0CAQExCzAJBgUrDgMCGGUAMCMGCSqGSIb3DQEHAaAWBBRleGFtcGx1IGRhdGEgdG8gc2lnbqCC"}
```



API

Verify Data (Detached and Enveloped)

<https://github.com/basistechnologies/pki.basistech.in/wiki>

Verify Data

- Mode: Detached
- Input Type: Data
- API:

```
Verify (signedData, true);
```

- Example:

```
Verify(document.getElementById('sign-text').value,document.getElementById('signed-text').value,document.getElementById('signed-key').value);  
Verify('Du1SAjmN2ILGZl0p+10jeg2/MaAOM+4ced6nV5bU0aLdZAsKlPkMzgc6CpP8ShzLo9ymx1Lnsa2NbM0pHZua75B70nxBFzGNCU5RYLwKe'
```

+Output:

```
{"data":"True","OP":"verify"}
```

Verify Data

- Mode: Enveloped
- Input Type: Data
- API:

```
Verify(signedData, false);
```

- Example:

```
Verify(document.getElementById('sign-text').value,document.getElementById('signed-text').value,document.getElementById('signed-key').value);  
Verify('MIIFsAYJKoZIhvcNAQcCoIIFoTCCBZ0CAQEXczAJBgUrDgMCGGUAMCMGCSqGSIb3DQEHAaAwBBR1eGFtcGx1IGRhdGEgdG8gc2lnbqCCA'
```

- Output:

```
{"data":"Signature : verified The enclosed plain text:example data to sign","OP":"verifyA"}
```

Encrypting and
Decrypting :
Demo Interface
[[https://
pki.basistech.in](https://pki.basistech.in)]

← → ↻ 🔒 <https://pki.basistech.in/?radio=option1#> 📄 🏠 ⚙️ 🗄️ 👤 ⋮

COT
Cryptographic Operations Tool

CONTACT US API REFERENCE GUIDE

Data Files Operations

Data

Input/Key

Text to Encrypt

Output

```
if+iVDp8ELGdejXIRJEPxQASOPTiQO8pILrQR5bXw/ug4BSOECdqmxyJpB04bskyZ/5m5rxA6xZADzLp8g/EGSgeiCCDLw+WlcGWWl6oTt3bV9Qs5isQdXS  
y6xglLFh/EvngQOlc6luKPD9FwkLNYe5aEshf3o83SQ/coOyjapVgp5RvIafH0bKwBbvuxnmgfES8z9K0QZsEWRfw9zXaLHk5ihVY/avciPXIfK6AZAVIKxh/O  
JkpTGTxbTOQWpPcoeGpu/AHLfzQ9wYPKBN70WKmbvpC8N+YtgXzW62Qpmuw+nqfLBI7OJWOcacIzKzumWHXlqG9Akkm4fm71tA/A==
```

Message

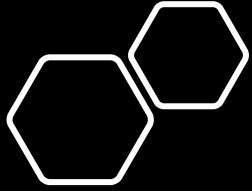
Detached Encrypted

Operations using DSC (Digital Signature Certificate)

Encrypt using DSC

Submit

Mode: Deatched Enveloped



API

Encrypt Data (Detached and Enveloped)

<https://github.com/basistechnologies/pki.basistech.in/wiki>

Encrypt Data

- Mode: Detached
- Input Type: Data
- API:

```
Encrypt (data, true);
```

- Example:

```
Encrypt(document.getElementById('sign-text').value,document.getElementById("r1").checked);  
Encrypt('example data to encrypt', true);
```

- Output:

```
{"data": "eneTuJn1zgAtEm0ujwDwp887A0917aK10zWrnnapV1ALDD1wtjbu6RNA2nXQ1SvK5F8xw2i0Nikc7PCBxFw8ZIv7VnDF
```

Encrypt Data

- Mode: Enveloped
- Input Type: Data
- API:

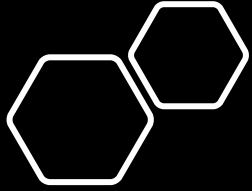
```
Encrypt (data, false);
```

- Example:

```
- Encrypt(document.getElementById('sign-text').value,document.getElementById("r1").checked);  
- Encrypt('example data to encrypt', false);
```

- Output:

```
{"data": "MIIB+wYJKoZIhvcNAQcDoIIB7DCCAegCAQAxggGkMIIBoAIBADCBhzB/MQswCQYDVQQGEwJOTDELMAkGA1UECBMCR0E
```

API

Decrypt Data (Detached and Enveloped)

<https://github.com/basistechnologies/pki.basistech.in/wiki>

Decrypt Data

- Mode: Detached
- Input Type: Data
- API:

```
Decrypt (data, false);
```

- Example:

```
Decrypt(document.getElementById('signed-text').value,document.getElementById("r1").checked);  
Decrypt('eneTuJn1zgAtEmOujwDlp887A0917aK10zWrnnapV1ALDDlwtjbU6RNA2nXQlSvK5F8xw2i0Nikc7PCBxFw8ZIv7VnDF
```

- Output:

```
{"data":"example data to encrypt","OP":"decrypt"}
```

Decrypt Data

- Mode: Enveloped
- Input Type: Data
- API:

```
Decrypt (data, true);
```

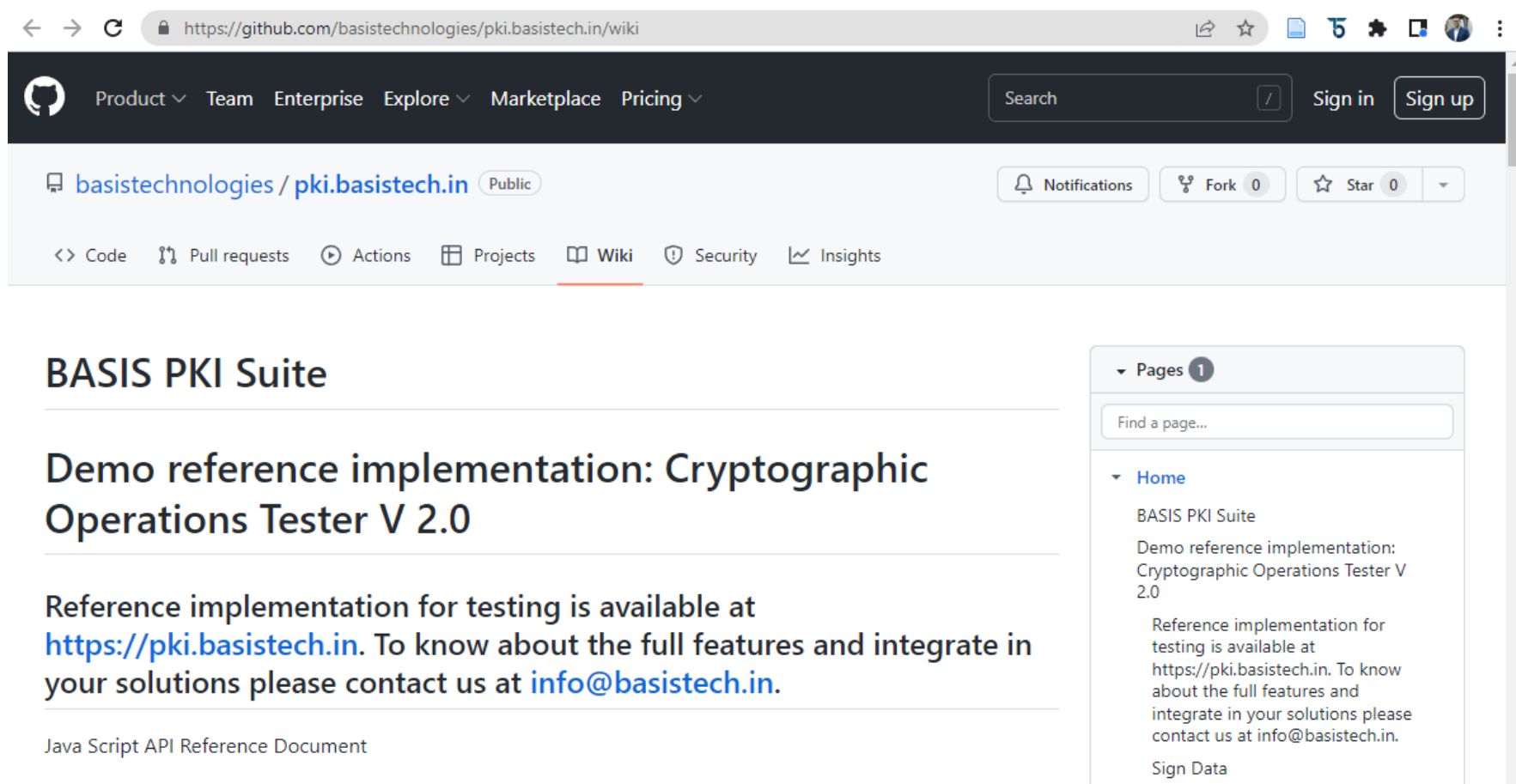
- Example:

```
Decrypt(document.getElementById('signed-text').value,document.getElementById("r1").checked);  
Decrypt('MIIB+wYJKoZIhvcNAQcDoIIB7DCCAegCAQAxxgGkMIIBoAIBADCBhzB/MQswCQYDVQQGEwJOTDELMAkGA1UECBMCR0E
```

- Output:

```
{"data":"example data to encrypt","OP":"decryptA"}
```

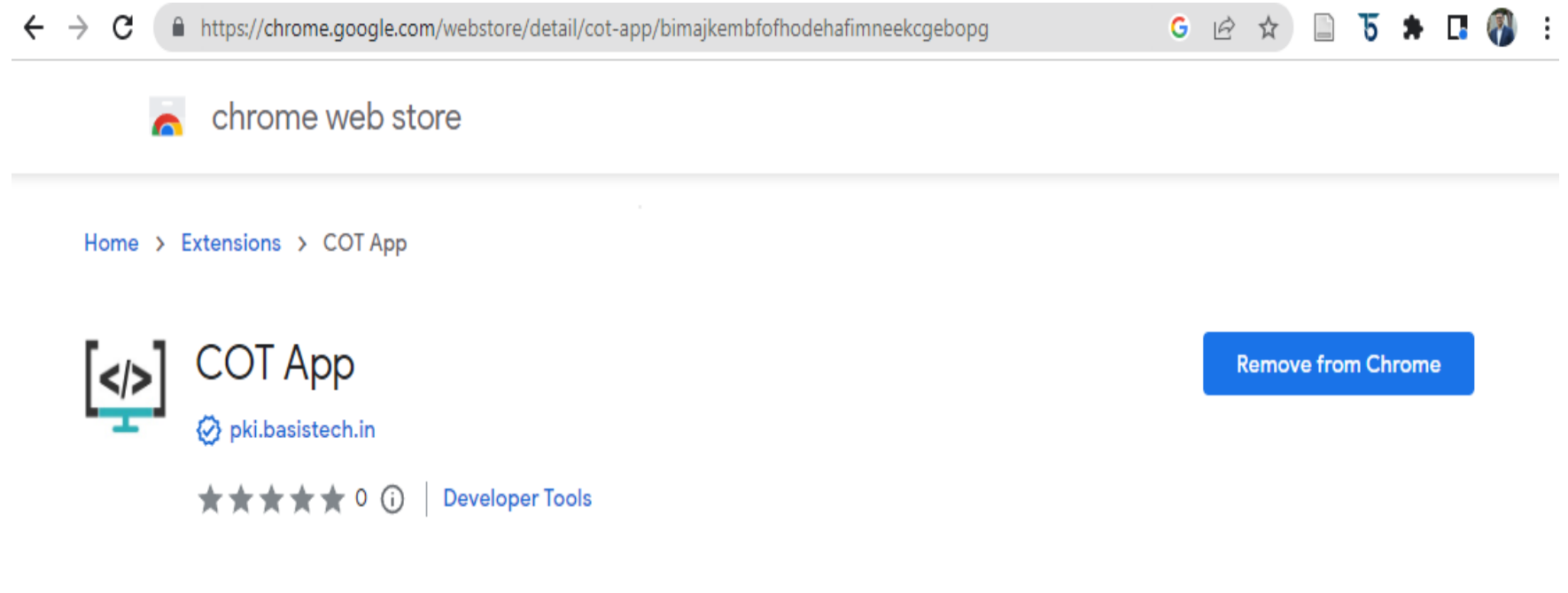
More APIs



The screenshot shows a web browser displaying the GitHub Wiki page for the repository `basistechnologies/pki.basistech.in`. The page title is "BASIS PKI Suite". Below the title, there is a section titled "Demo reference implementation: Cryptographic Operations Tester V 2.0". The main content of the page states: "Reference implementation for testing is available at <https://pki.basistech.in>. To know about the full features and integrate in your solutions please contact us at info@basistech.in." Below this text, there is a link to a "Java Script API Reference Document". On the right side of the page, there is a sidebar with a "Pages" section containing a search bar and a list of pages, including "Home", "BASIS PKI Suite", "Demo reference implementation: Cryptographic Operations Tester V 2.0", "Reference implementation for testing is available at https://pki.basistech.in. To know about the full features and integrate in your solutions please contact us at info@basistech.in.", and "Sign Data".

<https://github.com/basistechnologies/pki.basistech.in/wiki>

Chrome Extension



The screenshot shows a Chrome browser window displaying the Chrome Web Store page for the 'COT App' extension. The address bar shows the URL: <https://chrome.google.com/webstore/detail/cot-app/bimajkembfofhodehafimneekcgebopg>. The page title is 'chrome web store'. The breadcrumb navigation is 'Home > Extensions > COT App'. The extension card for 'COT App' is displayed, featuring a code editor icon, the name 'COT App', the developer 'pki.basistech.in', and a rating of 0 stars. A blue button labeled 'Remove from Chrome' is visible on the right side of the extension card.

<https://chrome.google.com/webstore/detail/cot-app/bimajkembfofhodehafimneekcgebopg>



Thanks



Looking forward serving you.



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