



API Security

Basic Authentication

Basic Authentication

- Base64 encode username password
- Base64 decode Authorization header
- Policy can be used at any point in the proxy

XML, JSON Regex, Threat Protection

 XML Threat Protection

 JSON Threat Protection

 Regular Expression Protection

- Validate XML request payload
 - Content-type: application/xml
- Validate JSON request payload
 - Content-type: application/json
- Regex validates URI, Headers, payload against regular expressions

Verify API Key Policy

Verify API Key

- Verify API key at runtime
- Restricts access to your API to valid API keys
- Returns 401 Unauthorized if API key is invalid

OAuth v1.0a

 OAuth v1.0a

 Get OAuth v1.0a Info

 Delete OAuth v1.0 Info

- OAuth v1a
 - Generate request token, access token, validate access token
- Get OAuth v1a retrieves token attributes
- Delete OAuth v1a deletes request token, verifier or access token
- Replaced by OAuth v2.0

OAuth v2

 OAuth v2.0

 Get OAuth v2.0 Info

 Set OAuth v2.0 Info

 Delete OAuth v2.0 Info

- Generate Access Token, Verify Access Token, Generate Authorization Code, Refresh Access Token
- Get and set token attributes
- Delete auth code or access token
- Policy can be used at any point in the proxy

SAML

 Generate SAML Assertion

 Validate SAML Assertion

- Generate SAML assertions
- Validate SAML assertions
- Policy can be used at any point in the proxy

Access Control



Access Control

- IP whitelisting
- Policy can be used at any point in the proxy



Thank You