

# SMB REST API Overview

## Enable/Disable REST API

To enable REST API on the gateway run the following clish command:  
"set rest-api mode on"

To disable REST API on the gateway run the following clish command:  
"set rest-api mode off"

## Request Structure

### Http Post

`https://<gateway-ip>:<port>/web-api/<command>`  
The default port number is 4434.

### HTTP Headers

Content-Type: `application/json`  
x-chkp-sid: `<session ID token as returned by the login command>`  
The `x-chkp-sid` header is mandatory in all API calls except the login API.

### Request payload

Text in JSON format containing the different parameters.

### Example

`https://192.168.1.1:4434/web-api/login`

## Response Structure

### Returned value on Success

- HTTP status 200 (OK)
- A JSON string (content varies depending on which API is called)

### Returned value on failure

- HTTP status 500 (Internal Server Error), 400 (Bad Request), or 401 (Unauthorized)
- A JSON structure with the error details

# Versioning

## Http Post with a specific version

<https://<gateway-ip>:<port>/web-api/<version>/<command>>

If no version is being sent the latest supported version is used.

## Example

`https://192.168.1.1:4434/web-api/v1/login`

# SMB REST API Commands

## Login

### Description

1. Log in to the SMB appliance with your SMB admin username and password.
2. The SMB returns your session unique identifier.
3. Enter this session unique identifier in the `x-chkp-sid` header of each request.

### Request URL

POST `https://<gateway-ip>:<port>/web-api/login`

### Request Headers

Header Name	Value	Description
<code>Content-Type</code>	<code>application /json</code>	Send JSON object to use the API Web Services.

### Request Body

Parameter Name	Value	Description
<code>user</code> (Required)	String	Administrator username
<code>Password</code> (Required)	String	Administrator password

### Response

On Success, HTTP Return code: 200

Header Name	Value	Description
<code>sid</code>	String	Session unique identifier for the <code>x-chkp-sid</code> header of each request.
<code>role</code>	String	The administrator role and permissions.
<code>read-only</code>	Boolean	True if the session is read only
<code>api-server-version</code>	String	API server version
<code>session-timeout</code>	Integer	Session expiration timeout in minutes

On Failure, HTTP Return code: 400, 401, 500

## Request

```
{  
  "user": "admin",  
  "password": "aa"  
}
```

## Response

```
{  
  "sid": "9aa5770044797d7209f8ce9b0ef0fa0",  
  "role": "ROLE.SUPER",  
  "read-only": false,  
  "api-server-version": "v1",  
  "session-timeout": 10  
}
```

# Logout

## Description

Log out from the current session. After you log out, the session id is no longer valid.

## Request URL

POST `https://<gateway-ip>:<port>/web-api/v1/logout`

## Request Headers

Header Name	Value	Description
Content-Type	application /json	Send JSON object to use the API Web Services.
x-chkp-sid	string token	Session unique identifier as the response to the login request.

## Request Body

There is no request body.

## Response

On Success, HTTP Return code: 200

On Failure, HTTP Return code: 400, 401, 500

### Request

```
{ }
```

### Response

```
{ }
```

# Generate-report

## Description

Generate security report data according to the selected time frame:

Hourly/Daily/Weekly/Monthly

## Request URL

POST `https://<gateway-ip>:<port>/web-api/generate-report`

## Request Headers

Header Name	Value	Description
Content-Type	application /json	Send JSON object to use the API Web Services.
x-chkp-sid	string token	Session unique identifier as the response to the login request.

## Request Body

Parameter Name	Value	Description
type (Required)	String	Report time frame. Allow values: {hourly, weekly, daily, monthly}

## Response

On Success, HTTP Return code: 200

Header Name	Value	Description
reportData	Base64 string	Report data JSON in base64 format

On Failure, HTTP Return code: 400, 401, 500

### Request

```
{
  "type": "daily",
}
```

### Response

```
[
  {
    "reportData": "<report_json_in_base64_format>"
  }
]
```

# Run-clish-command

## Description

Run single clish command.

## Request URL

POST `https://<gateway-ip>:<port>/web-api/run-clish-command`

## Request Headers

Header Name	Value	Description
Content-Type	application /json	Send JSON object to use the API Web Services.
x-chkp-sid	string token	Session unique identifier as the response to the login request.

## Request Body

Parameter Name	Value	Description
script (Required)	String	A single clish command in base64 format

## Response

On Success, HTTP Return code: 200

Header Name	Value	Description
output	String	Clish command output in base64 format

On Failure, HTTP Return code: 400, 401, 500

