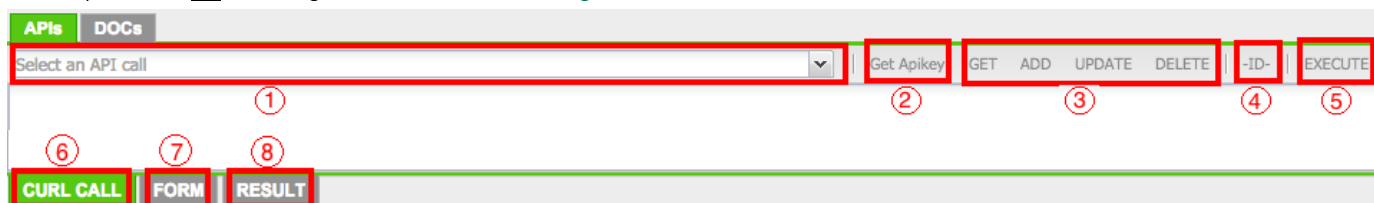


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Application Programming Interface (API) GUI

ScaleArc provides an API GUI through the ScaleArc UI under **Settings** → **API**

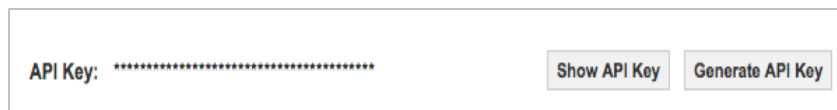


API GUI Features

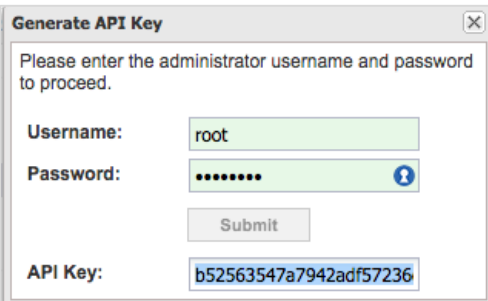
- ① **API call drop down** – used for selecting a particular call
- ② **GET APIKey** – used to unlock the apikey for use within the API utility
- ③ Request method pushbutton for **GET, ADD, UPDATE, and DELETE**
- ④ The **-ID-** field population button
- ⑤ **EXECUTE** button
- ⑥ **CURL CALL** tab with text editing capabilities
- ⑦ **FORM** tab that generates a “fill in the blank” form for all command parameters
- ⑧ **RESULT** tab that displays the JSON result returned after executing an API command

Show API KEY or Generate API KEY

ScaleArc provides the API key in the UI on the Settings → System Settings → System Config API Key - API key is a unique identifier generated by ScaleArc after successful authentication. A valid API key is required for all API calls.



Both Show API Key and Generate API Key will require an administrator-level login to retrieve.



About ScaleArc’s API GUI

- ScaleArc has a RESTful API and operates in a distributed network.
- JavaScript Object Notation ([JSON](#)) is used to pass command parameters and execution results between the client (cURL or PowerShell) and the server (ScaleArc).

API Security Advisory

Anyone with network access to your environment and a valid API key may execute ScaleArc REST commands. Please keep these keys confidential and secure.

- The ScaleArc API Key is a hash, based on the login/password, and can be made common across appliances so long as the credentials are the same.
- Commands contain parameters denoted by `<param>` in the JSON body.
- ScaleArc has hundreds of API calls.

PowerShell API Access

Read Query Invoke-RestMethod -Method GET -Uri <URL>?apikey
Add Query Invoke-RestMethod -Method POST -Uri <URL> -Body '{params}'
Update Query Invoke-RestMethod -Method PUT -Uri <URL> -Body '{params}'
Delete Query Invoke-RestMethod -Method Delete -Uri <URL>?apikey

To format returned value in readable format, pipe the output to Format-Custom

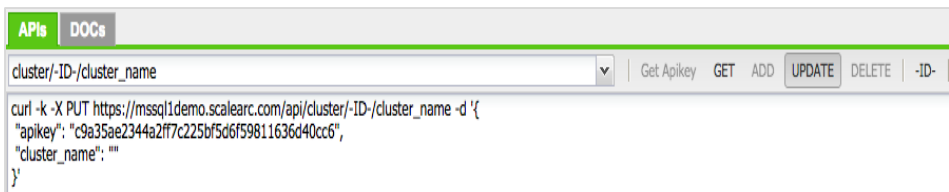
CURL API Access

Read Query curl -k -X GET <URL>?apikey
Add Query curl -k -X POST <URL> -d '{params}'
Update Query curl -k -X PUT <URL> -d '{params}'
Delete Query curl -k -X DELETE <URL>?apikey

To format returned value in readable format, pipe the output to python-m json.tool

ScaleArc has 100s of useful API calls. The full list can be found within the UI using the steps above. This list includes the top 10 API calls.

1. Create a cluster
2. Add / Delete servers
3. Marking server online / offline
4. Enable / Disable cache feature
5. Add cache rules
6. Delete cache rules
7. Get HA status
8. Add virtual IPs
9. Modify Cluster Advance settings
10. Add Firewall rules



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Call	Method	Parameters	Description
/api/system/show_api_key	POST	Username Password apikey="abc"	Get the API Key from the ScaleArc system
/api/cluster/-ID-	GET DELETE	apikey	Fetch status of a given cluster
/api/cluster/-ID-/stop	PUT	apikey	Stop the identified cluster
/api/cluster/-ID-/start	POST	apikey	Start a cluster
/api/system/loadbalancer	GET	apikey	Fetch status of the ScaleArc system as a whole.
/api/system/loadbalancer/restart	GET	apikey	Restart all of the ScaleArc clusters on the given ScaleArc system
/api/system/loadbalancer/version	GET	apikey	See which ScaleArc version is currently running as well as the primary dependencies
/api/cluster/-ID-/server/-ID-	GET POST DELETE	apikey mark_server_status orig_ip server_id server_idle_connection_timeout server_ignore_lag_time server_ip server_max_concurrent_connections server_port server_replication_lag_threshold server_role servicename servicename_radio timetowait	Get information, update configuration, or remove a given server from a given cluster
api/cluster/-ID-/advanced_settings	GET	apikey	Get advanced cluster settings details
/api/cluster/-ID-/password	PUT	apikey username oldpassword newpassword	Update the password for a given username for the specified cluster
api/events	GET	apikey	Get a list of current unacknowledged events that have occurred on the ScaleArc instance