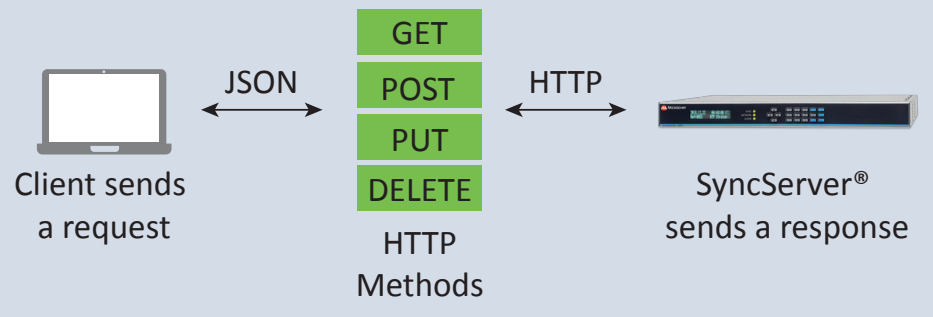


SyncServer® S600 Series REST API v2

Summary

The SyncServer® S600 Series REST API follows the industry standard OpenAPI specification 3.0 to provide full featured status and control of the SyncServer S600 Series network time servers. This interface is ideal for users to program their applications to automate SyncServer configuration tasks, get status information and customize monitoring of specific SyncServer parameters to fit their unique requirements.

REST API Stateless, Uniform



Industry Standard OpenAPI 3.0 Compliant

The REST architectural style is widely adopted as the industry standard for Web services. The SyncServer REST API follows the OpenAPI 3.0 specification. It supports a collection of HTTP POST, GET, DELETE and PUT methods. Programmers familiar with REST will find it intuitive interfacing to the SyncServer.

Fully Documented Including Examples

A .tgz file can be downloaded directly from the web GUI of the SyncServer interface. In the download is the .yaml files for the REST API v1 and v2 specification, bash script examples, and HTML based documentation of the GET, POST, DELETE and PUT commands available. The v2 API is a superset to the v1 API. New program development should use the v2 API. Programs developed using the v1 API should continue to work. In fact, most of the programs developed using the v1 API should work with the v2 API. See the "v2-release.txt" for details about the changes made to the v1 API endpoints in the v2 API. The SyncServer REST API uses JSON formatted data for HTTP requests and responses.

Customize Control and Status of the SyncServer

With full featured status and control of the SyncServer via the REST API, programmers can create autoconfiguration scripts, custom status checks, easily replicate a configuration from one SyncServer to another, and integrate the SyncServer into network management and monitoring systems.

Standard With all SyncServer Instruments

The SyncServer REST API, examples and documentation are included standard with version 4.0 and later of SyncServer software.

SyncServer REST API HTTP Methods Supported

PUT

- PUT /admin/alarms
- PUT /admin/snmp
- PUT /admin/snmp/trap
- PUT /admin/system
- PUT /ethInterfaces/{num}
- PUT /gnss
- PUT /ioSlotA/connectors/{num}
- PUT /ioSlotB/connectors/{num}
- PUT /jammingSpoofing
- PUT /jammingSpoofing/detectors
- PUT /ntp/option
- PUT /ntp/reflector
- PUT /ntp/servers/{num}
- PUT /security
- PUT /security/certReq/{id}
- PUT /security/protocolCertMap
- PUT /security/remoteAuth
- PUT /security/services
- PUT /security/users
- PUT /ssm
- PUT /timing
- PUT /timing/manualSettings
- PUT /timing/measurement
- PUT /timingServices/{svclId}
- PUT /timingServices/portMap/{num}

POST

- POST /admin/config
- POST /admin/options
- POST /admin/snmp/trap
- POST /admin/snmp/users
- POST /admin/upgrade
- POST /ethInterfaces
- POST /ioSlotA/connectors
- POST /ioSlotB/connectors
- POST /ntp/auth/symmKey
- POST /ntp/servers
- POST /security/caCert
- POST /security/certInstall
- POST /security/certReq
- POST /timingServices
- POST /timingServices/portMap

GET

- GET /admin/alarms
- GET /admin/config
- GET /admin/options
- GET /admin/snmp
- GET /admin/snmp/trap
- GET /admin/snmp/users
- GET /admin/system
- GET /ethInterfaces
- GET /ethInterfaces/{num}
- GET /ethInterfaces/status
- GET /ethInterfaces/status/{num}
- GET /gnss
- GET /gnss/status
- GET /ioSlotA/connectors
- GET /ioSlotA/connectors/{num}
- GET /ioSlotB/connectors
- GET /ioSlotB/connectors/{num}
- GET /jammingSpoofing
- GET /jammingSpoofing/chartData
- GET /jammingSpoofing/detectors
- GET /jammingSpoofing/detectorsStatus
- GET /jammingSpoofing/status
- GET /log/events
- GET /log/messages
- GET /ntp/assoc
- GET /ntp/auth/symmKey
- GET /ntp/mruList
- GET /ntp/option
- GET /ntp/reflector
- GET /ntp/servers
- GET /ntp/servers/{num}
- GET /ntp/sysinfo
- GET /ptp/clientList/{num}
- GET /security
- GET /security/certDownload/{id}
- GET /security/certReq
- GET /security/certReq/{id}
- GET /security/protocolCertMap
- GET /security/remoteAuth
- GET /security/services
- GET /security/users
- GET /ssm

- GET /system/inventory
- GET /system/state
- GET /timing
- GET /timing/manualSettings
- GET /timing/measurement
- GET /timing/measurementData
- GET /timingServices
- GET /timingServices/{svclId}
- GET /timingServices/portMap
- GET /timingServices/portMap/{num}
- GET /timingServices/status
- GET /timingServices/status/{num}

DELETE

- DELETE /admin/snmp/trap
- DELETE /admin/snmp/users
- DELETE /ntp/servers/{num}
- DELETE /security/caCert
- DELETE /security/certReq/{id}
- DELETE /security/users
- DELETE /timingServices/{svclId}