

AF10G72AC RPC-API GUIDE Advanced Features | 3.0.9

AF10G72AC

The RPC-API service must be enabled, by default it is disabled. The RPC-API service default port number is 80. The default port number for the HTTP service is also port 80. The system will not allow both the RPC-API and the HTTP services to use port 80. If it is desired that the RPC-API and HTTP services be enabled simultaneously, set the RPC-API service to another port number. In this example, the RPC-API port number will be set to 2000. The RPC-API service for the AFs uses JSON over HTTP protocol to communicate with your API application program. The Postman API Development Tool is used in the procedure.

Connect to the Advanced Features unit:

A connection to the unit may be established using two options:

- a) Directly connected to the Console Interface COM Port using Putty/Serial connection.
- b) Connected via the IP Management Interface using Putty/SSH connection.

1. Login to the Advanced Features unit, (admin/gtadmin1).

2. Enter the following commands to show the services status:

Switch# enable Switch# show services				
Networking serv	ices configu:	ration:		
Service Name	Status	Port	Protocol	
http https	enable disable	80 443	TCP TCP	- -
rpc-api telnet ssh	disable enable enable	- 23 22	TCP TCP TCP	-
snmp	disable	161	UDP	-

Switch#

3. Enter the following commands to enable the RPC-API service:

```
Switch# configure terminal
Switch(config)# service rpc-api enable port 2000
Switch(config)# exit
```



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Networking ser	vices configur	ration:		
Service Name	Status	Port	Protocol	Service A
	+	+	+	_+
http	enable	80	TCP	_
https	disable	443	TCP	_
rpc-api	enable	2000	TCP	_
	enable	23	TCP	_
telnet			TCP	_
	enable	22	TCP	

4. Re-enter the following command to show the services status:

5. Launch the Postman API Development Tool.

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File Edit View Help	👬 My Workspace 👻 🕹 Invite	0 v r r v	Upgrade 🔻
Q Filter	Post 192.168.1.230.2000/spl/cmd • + •••	No Environment	• © \$
History Collections APIs BETA	Untitled Request		📮 Comments (0)
+ New API C	POST v 192.168.1.230:2000/api//cmd_api/	Send	▼ Save ▼
No APIs yet	Params Authorization Headers () Body Pre-request Script Tests Settings		Cookies Code
environments under a consistent schema.	none form-data x-www-form-urlencoded raw binary GraphQL TA JSON v		Beautify
Create an API			
	Response		
	Hit Send to get a response		
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- 6. Select Post
- 7. Enter the complete URL for the AF: AF IP Address:2000/api/cmd_api/
- 8. Select Body
- 9. Select raw
- 10. Select JSON

The RPC-API commands use a JSON format. Special attention must be made when entering the commands. The following example will show the Advanced Features firmware version.

```
{
    "params":{
        "format":"json",
        "version":1,
        "cmds":["end","enable","show version","end"]
    }
}
```

11. Select the Send option.

New 🔻 Import Runner 📭	👪 My Workspace 🔻 🗼 Invite	<u> </u>		
L Filter	POST 192.168.1.230.2000/api/cmd • + ••••	No Environment	• •	
listory Collections APIs BETA	Untitled Request	E	Comments	
New API C	POST • 192.168.1.230.2000/api/cmd_api/	Send	Save	
No APIs yet	Params Authorization Headers (1) Body • Pre-request Script Tests Setting		Cookies	c
APIs define related collections and environments under a consistent schema.	none form-data x-www-form-uriencoded raw binary GraphQL BETA JSC v		Beau	ıti
Create an API	2. ""rarast":(3 "rorast":json", 4 "version":i, 5 "rond":["end","enable","show version","end"] 6 }			
	Response			

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12. The results will be displayed in the bottom panel. Use the slide bar to view the entire results.

🤣 Postman		- 🗆 ×
File Edit View Help		
🕂 New 🔻 Import Runner 📭	🖬 My Workspace 🔻 🗼 Invite 🧿 😵 🖉 🗍 🎔	🕒 Upgrade 🔻
Q Filter	Post 192.168.1.230-2000/apl/cmd • + •••	• © ‡
History Collections APIs BETA	Untitled Request	Comments (0)
+ New API C	POST v 192.168.1.230.2000/api/cmd_api/	▼ Save ▼
No APIs yet	Params Authoritzation Headers (9) Body Pre-request Script Tests Settings	Cookies Code
APIs define related collections and environments under a consistent schema.	none form-data x-www-form-urlencoded is raw form-QL BETA JSON	Beautify
Create an API	<pre>1 * [] * [] * "formst":[son", * "restor:1; * "cmds":["end", "enable", "show version", "end"] * "cmds":["end", "enable", "show version", "end"] *] </pre>	
	Body Cookies Headers (4) Test Results Status: 200 OK Time: 373ms Size: 1.36 K	B Save Response +
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