API Doc

Endpoint network
package_name: NetworkApi
Description: This endpoint provides methods to get the network informations
Method Summary :

Methods			
Type	**Parameters**	**Return Json**	**Curl-Example**
GET		**{"links": [Link], "nodes": [Node]}**	curl 127.0.0.1:5000/network
	<u>Description:</u> The GET-endpoint provides the network structure. It should be used to by the GUI to get the data.		

Endpoint controller
package_name: NetworktApi
Description: This endpoint provides methods to manage the controllers in the network
Method Summary :

Methods			
Type	**Parameters**	**Return Json**	**Curl-Example**
GET	id: Optional(int), component_id: int	**{"component_id":Controller, "response_id":Optional(int), "success":boolean}**	curl 127.0.0.1:5000/controller?component_id=3
	<u>Descrition:</u> The GET-endpoint is used to get informations about a specific controller.		
POST	id: Optional(int), ip: int, mac: int; port: int	**{"component_id":int, "response_id":Optional(int), "success":boolean}**	curl -X POST -d "ip=1&mac=3&port=2" 127.0.0.1:5000/controller
	<u>Description:</u> The POST-endpoint is used to create a controller in the network.		
DELETE	id: Optional(int), component_id: int	**{"component_id":int, "response_id":Optional(int), "success":boolean}**	curl -X DELETE -d "component_id=1" 127.0.0.1:5000/controller
	<u>Description:</u> The DELETE-endpoint is used to remove a controller from the network.		

Endpoint host
      package_name: NetworkApi

Description: This endpoint provides methods to manage the hosts in the network

Method Summary :

Methods			
Type	**Parameters**	**Return Json**	**Curl-Example**
GET	id: Optional(int), component_id: int	**{"component_id":Host, "response_id":Optional(int), "success":boolean}**	curl 127.0.0.1:5000/host?component_id=3
	Descrition: The GET-endpoint is used to get informations about a specific host.		
POST	id: Optional(int), ip: int, mac: int, port: int	**{"component_id":int, "response_id":Optional(int), "success":boolean}**	curl -X POST -d "ip=1&mac=2&port=3" 127.0.0.1:5000/host
	Description: The POST-endpoint is used to create a host in the network.		
DELETE	id: Optional(int), component_id: int	**{"component_id":int, "response_id":Optional(int), "success":boolean}**	curl -X DELETE -d "component_id=1" 127.0.0.1:5000/host
	Description: The DELETE-endpoint is used to remove a host from the network.		

Endpoint switch

      package_name: NetworkApi

Description: This endpoint provides methods to manage the switches in the network

Method Summary :

Methods			
Type	**Parameters**	**Return Json**	**Curl-Example**
GET	id: Optional(int), component_id: int	{"component_id":Switch, "response_id":Optional(int), "success":boolean}	curl 127.0.0.1:5000/switch?component_id=3
	Descrition: The GET-endpoint is used to get informations about a specific switch.		
POST	id: Optional(int), ip: int, mac:: int, port: int	{"component_id":int, "response_id":Optional(int), "success":boolean}	curl -X POST -d "ip=1&mac=2&port=3" 127.0.0.1:5000/switch
	Description: The POST-endpoint is used to create a switch in the network.		
DELETE	id: Optional(int), component_id: int	{"component_id":int, "response_id":Optional(int), "success":boolean}	curl -X DELETE -d "component_id=1" 127.0.0.1:5000/switch
	Description: The DELETE-endpoint is used to remove a switch from the network.		

Endpoint link
package_name: NetworkApi

Description: This endpoint provides methods to manage the links in the network

Method Summary :

Methods			
Type	**Parameters**	**Return Json**	**Curl-Example**
GET	id: Optional(int), component_id: int	**{"component_id":Link, "response_id":Optional(int), "success":boolean}**	curl 127.0.0.1:5000/link?component_id=3
	Description: The GET-endpoint is used to get informations about a specific link.		
POST	id: Optional(int), source: int, target: int	**{"component_id":int, "response_id":Optional(int), "success":boolean}**	curl -X POST -d "source=1&target=2" 127.0.0.1:5000/link
	Description: The POST-endpoint is used to create a link in the network.		
DELETE	id: Optional(int), component_id: int	**{"component_id":int, "response_id":Optional(int), "success":boolean}**	curl -X DELETE -d "component_id=1" 127.0.0.1:5000/link
	Description: The DELETE-endpoint is used to remove a link from the network.		
PUT	id: Optional(int), component_id: int, value: int	**{"component_id":int, "response_id":Optional(int), "success":boolean}**	curl -X PUT -d "component_id=1&value=13" 127.0.0.1:5000/link
	Description: The PUT-endpoint is used to change the link_value of a link which is used for its depiction in the GUI.		