

TeraFlow  
**SDN**  
*by ETSI*

# code commanders

Daniel, Andreas and Vasills

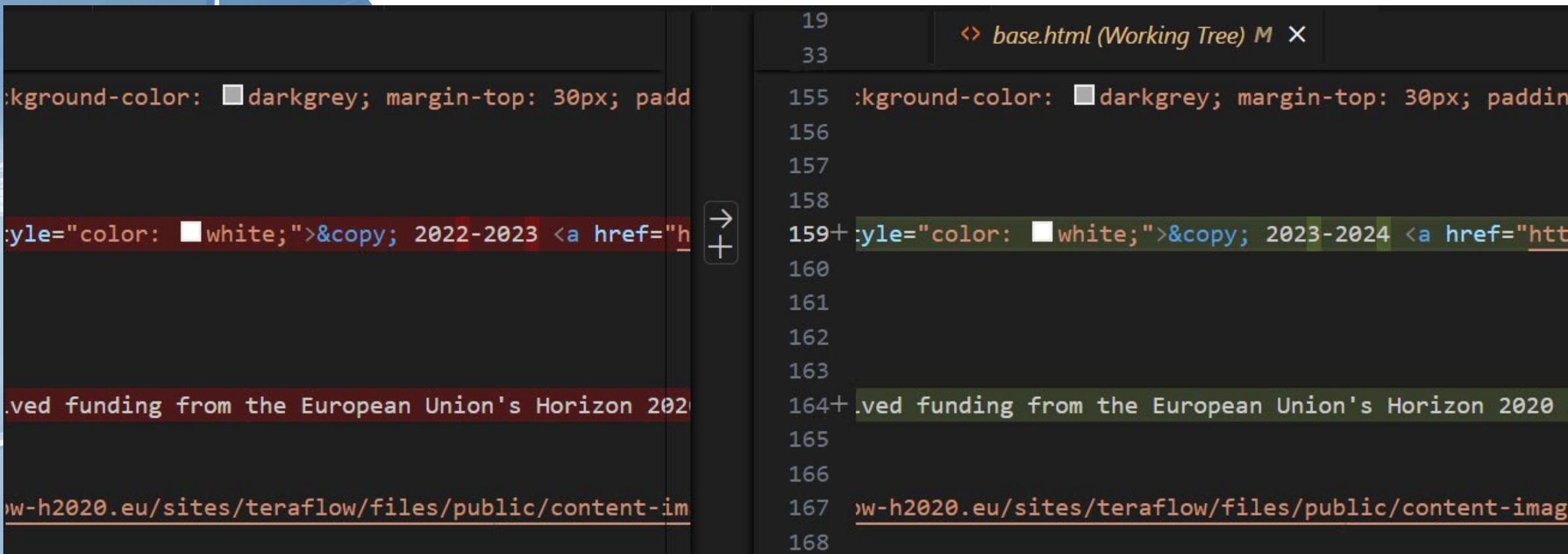
22/05/2024

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# Change WebUI license.



The screenshot shows a code editor with two panes. The left pane shows the original code with the copyright notice for 2022-2023 highlighted in red. The right pane shows the updated code with the copyright notice for 2023-2024 highlighted in green. A vertical toolbar with a right arrow and a plus sign is visible between the panes. The file name in the top right of the right pane is `<> base.html (Working Tree) M X`.

```
19
33
155 :kground-color: █ darkgrey; margin-top: 30px; paddin
156
157
158
159+ :yle="color: █ white;">&copy; 2023-2024 <a href="htt
160
161
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164+ .ved funding from the European Union's Horizon 2020
165
166
167 >w-h2020.eu/sites/teraflow/files/public/content-imag
168
```

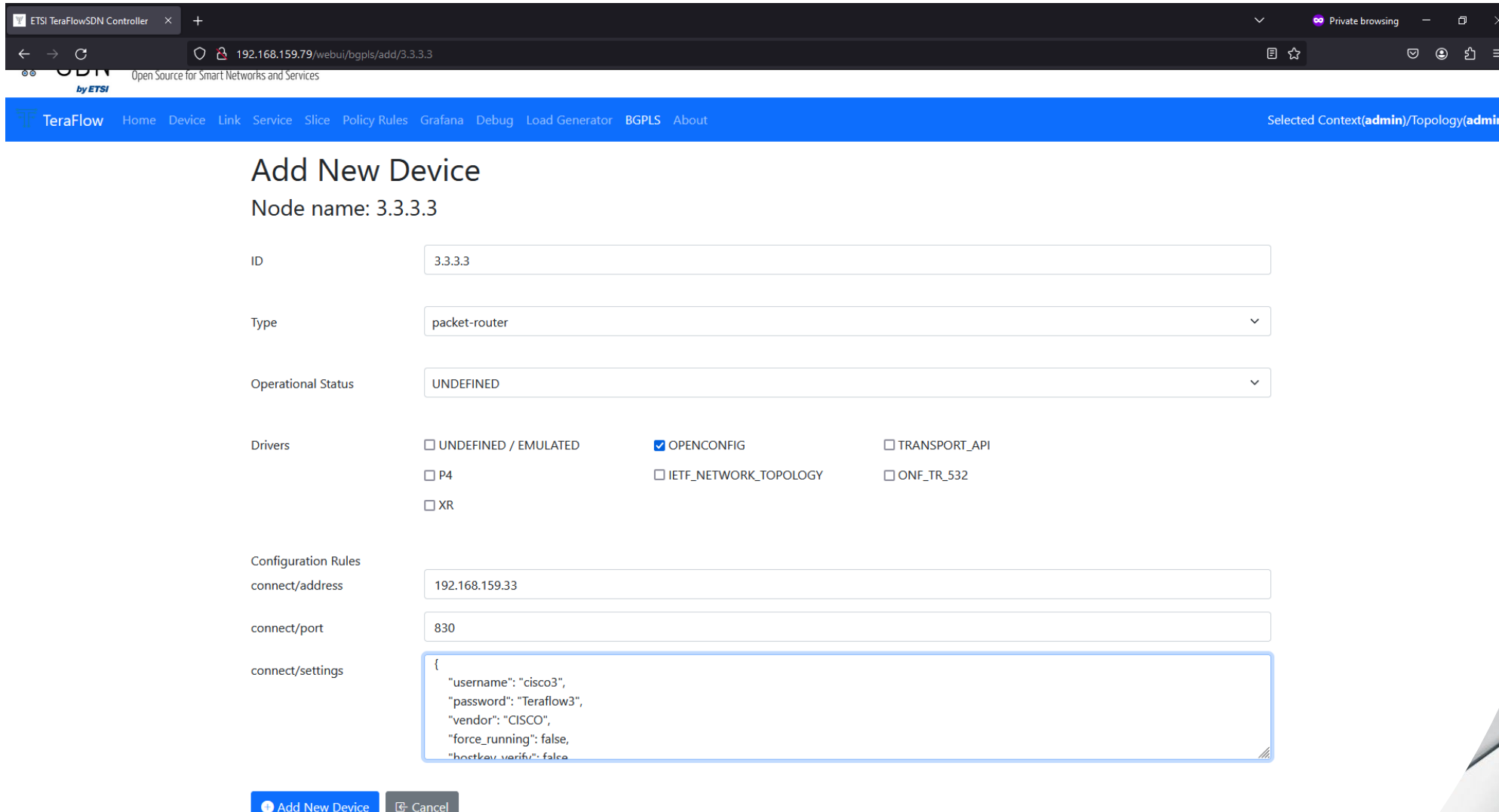
# Change WebUI license.

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# Modify device upload.

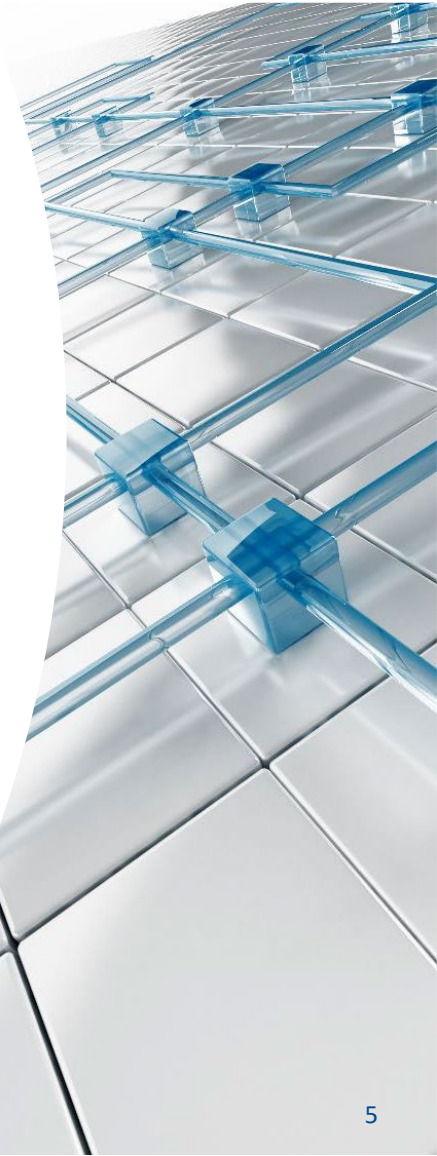


The screenshot shows the TeraFlow SDN Controller web interface in a private browser window. The page title is "Add New Device" and the node name is "3.3.3.3". The form includes the following fields and options:

- ID:** 3.3.3.3
- Type:** packet-router
- Operational Status:** UNDEFINED
- Drivers:**
  - UNDEFINED / EMULATED
  - OPENCONFIG
  - TRANSPORT\_API
  - P4
  - IETF\_NETWORK\_TOPOLOGY
  - ONF\_TR\_532
  - XR
- Configuration Rules:**
  - connect/address:** 192.168.159.33
  - connect/port:** 830
  - connect/settings:**

```
{  
  "username": "cisco3",  
  "password": "Teraflow3",  
  "vendor": "CISCO",  
  "force_running": false,  
  "hostkey_verify": false
```

At the bottom of the form, there are two buttons: "Add New Device" and "Cancel".



# Correct component reference

```
150+ #for tupla in response:
151+ #     if inventory['parent-component-references'] in
152+ #         component_reference.extend(tupla[1]['class']
153+ #             inventory['component-reference'] = tupla[0]
154
155     inventory['component-reference'] = component_referen
```

# Remove inventory/endpoints configuration rules

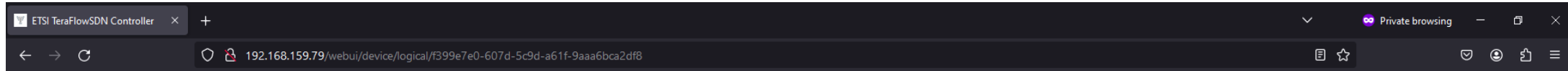
Not appending the:

- Inventory
- End points

```
component_reference.extend([parent_types[inventory['name']]  
#if ("Virtual-Motherboard" not in inventory['name'])  
#     response.append('/inventory/{:s}'.format(invent
```

```
if len(endpoint) == 0: continue  
#response.append('/endpoints/endpoint[{:s}]'  
return response
```

# Remove inventory/endpoints configuration rules



TeraFlow Home Device Link Service Slice Policy Rules Grafana Debug Load Generator BGPLS About

Selected Context(admin)/Topology(admin)

## Device 3.3.3.3 (f399e7e0-607d-5c9d-a61f-9aaa6bca2df8)

[Back to device list](#)

### Routing Policy

#### PASS\_ALL

```
{ "address_ip": "192.168.159.33", "address_prefix": 24, "index": 0, "name": "MgmtEth0/RP0/CPU0/0", "type": "ethernetCsmacd" }
{ "name": "MgmtEth0/RP0/CPU0/0", "type": "ethernetCsmacd" }
{ "address_ip": "192.168.13.3", "address_prefix": 24, "index": 0, "name": "GigabitEthernet0/0/0/0", "type": "ethernetCsmacd" }
{ "name": "GigabitEthernet0/0/0/0", "type": "ethernetCsmacd" }
{ "address_ip": "192.168.35.3", "address_prefix": 24, "index": 0, "name": "GigabitEthernet0/0/0/1", "type": "ethernetCsmacd" }
{ "name": "GigabitEthernet0/0/0/1", "type": "ethernetCsmacd" }
{ "name": "GigabitEthernet0/0/0/2", "type": "ethernetCsmacd" }
{ "address_ip": "192.168.23.3", "address_prefix": 24, "index": 0, "name": "GigabitEthernet0/0/0/3", "type": "ethernetCsmacd" }
{ "name": "GigabitEthernet0/0/0/3", "type": "ethernetCsmacd" }
{ "name": "Null0", "type": "other" }
```

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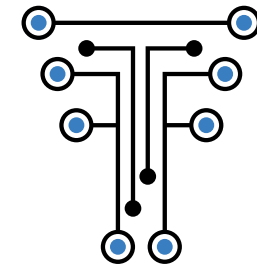
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# Extend logical inventory interfaces

```
{% if 'interface' in config.custom.resource_key %}
    {% set pol_name = config.custom.resource_key %}
{% endif %}
<!--{% if pol_name|length == 0 %}
    {% set pol_name = 'Undefined' %}
{% endif %}
{% if pol_name not in pol_names %}
    {% set _ = pol_names.append(pol_name) %}
{% endif %}-->
```



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# Thank You!