



Advanced User Training

The course is intended to team willing to learn and practice programming techniques.



3 days duration



DIATEAM certified training

Summary

1. Import/Export
2. Rights/Groups
3. Load Balancing
4. Platform Monitoring
5. Action Manager
6. HCLI
7. HAPI



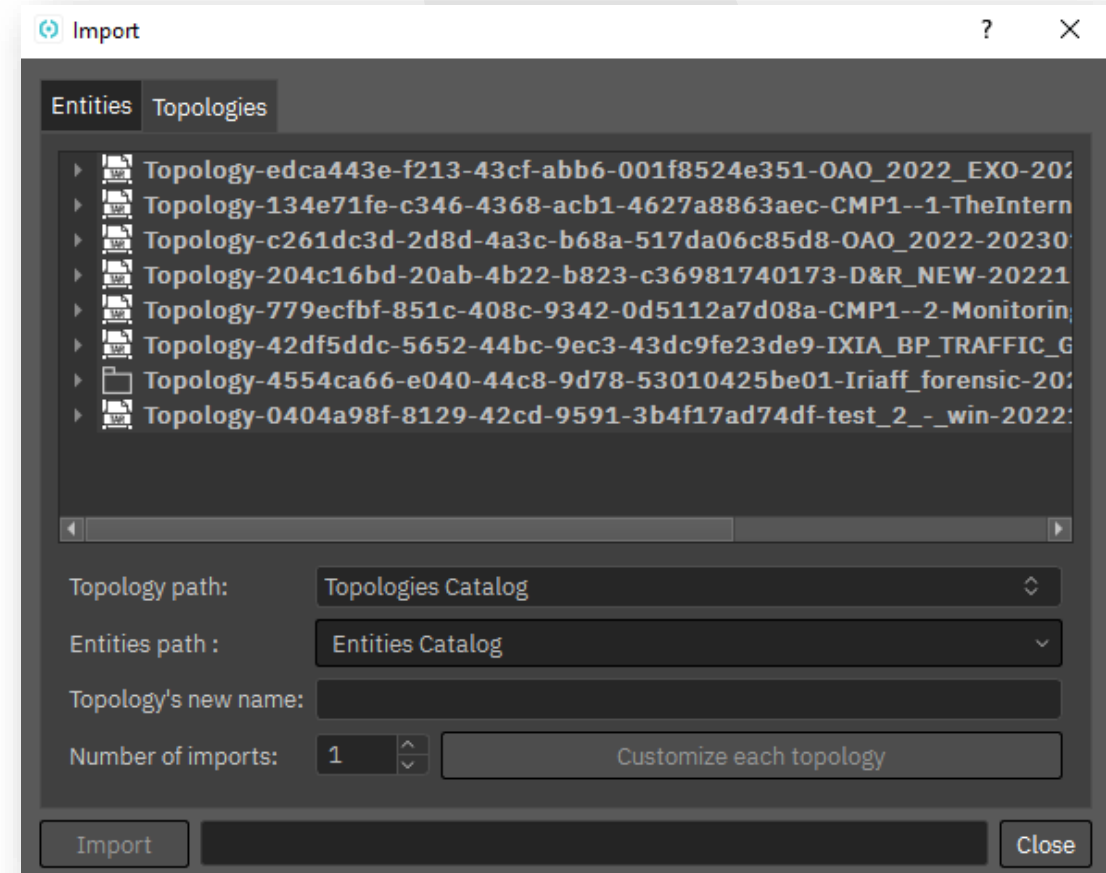
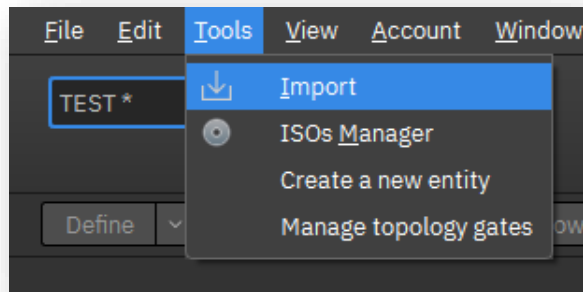
Import / Export

Import/Export

- What is Import/Export feature ?

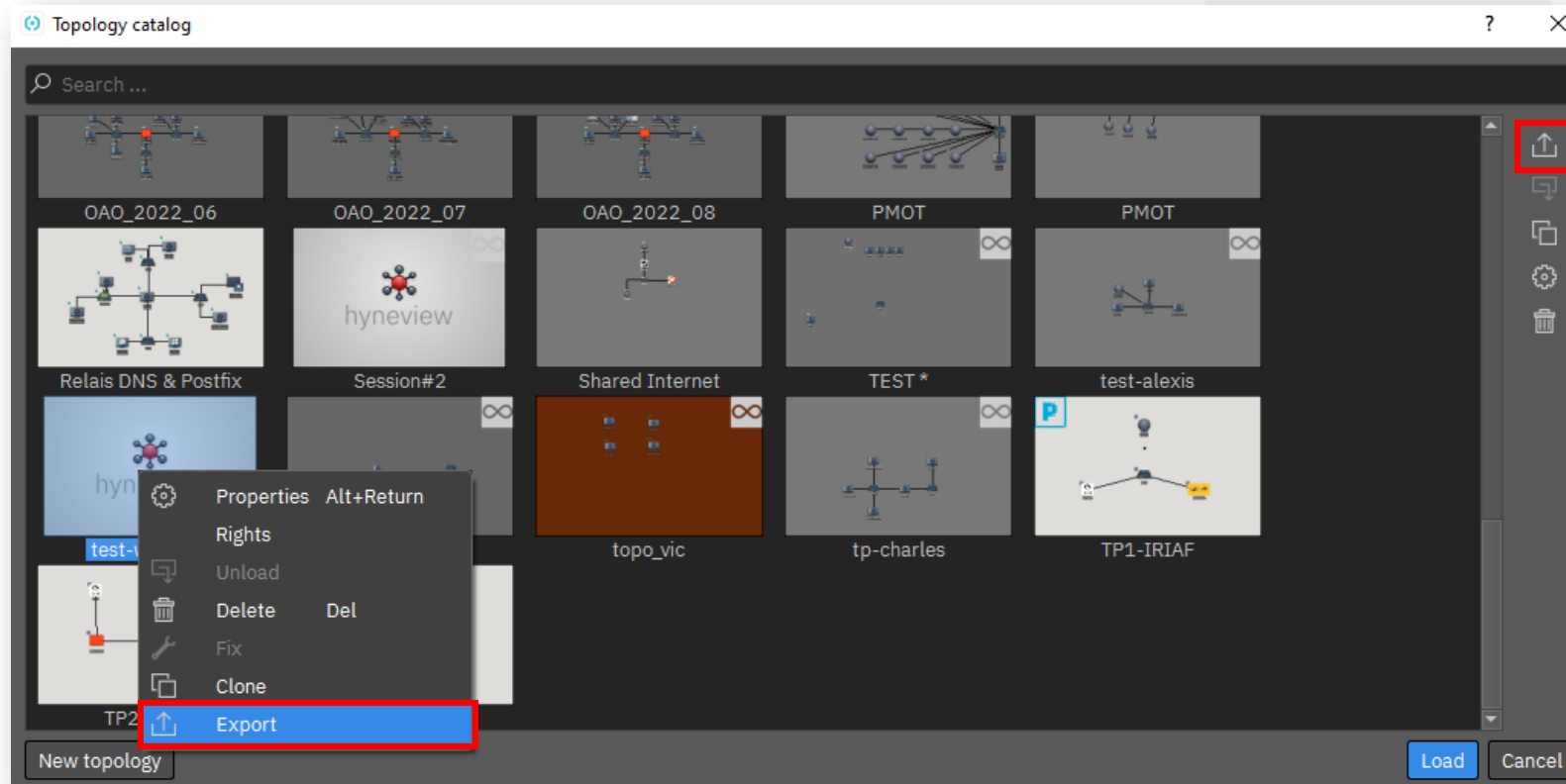


- Topologies and Entities Import



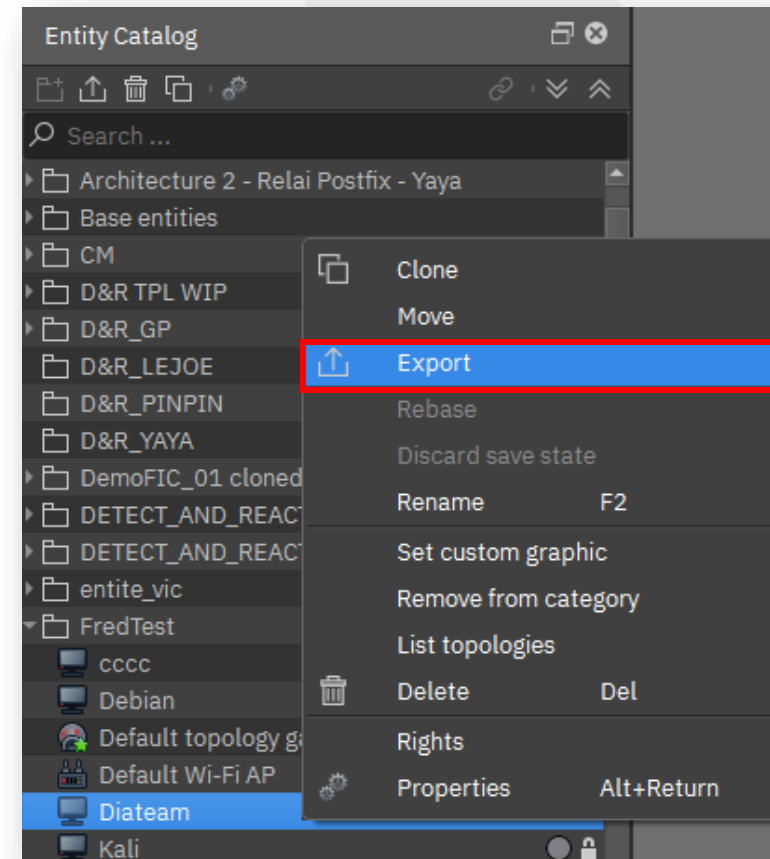
Import/Export

- Topologies Export



Import/Export

- Entity Export
 - The entity need to be unload.

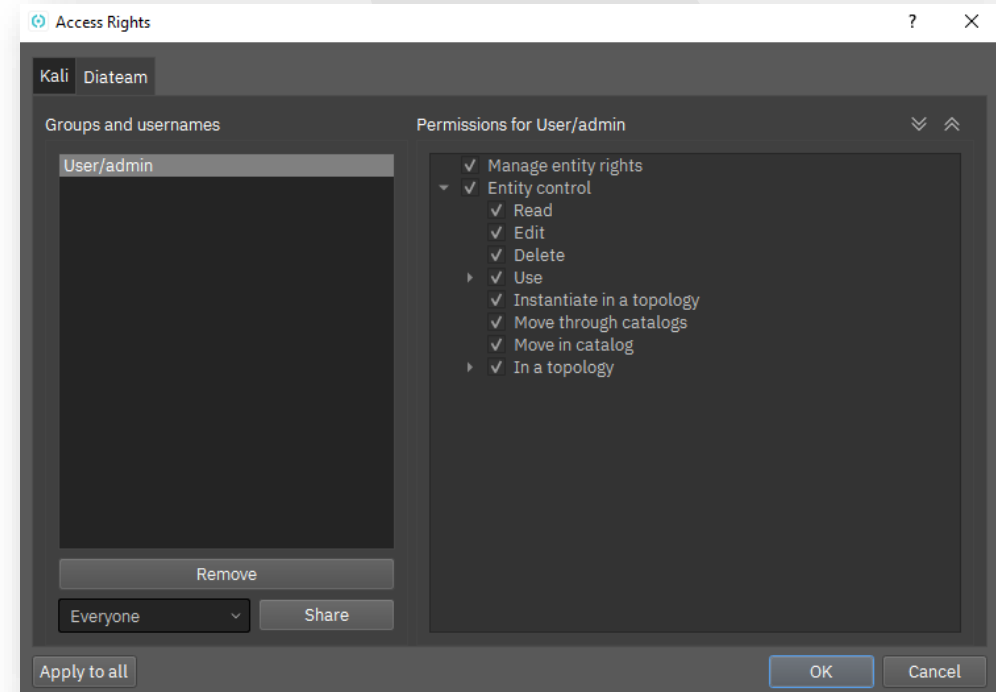
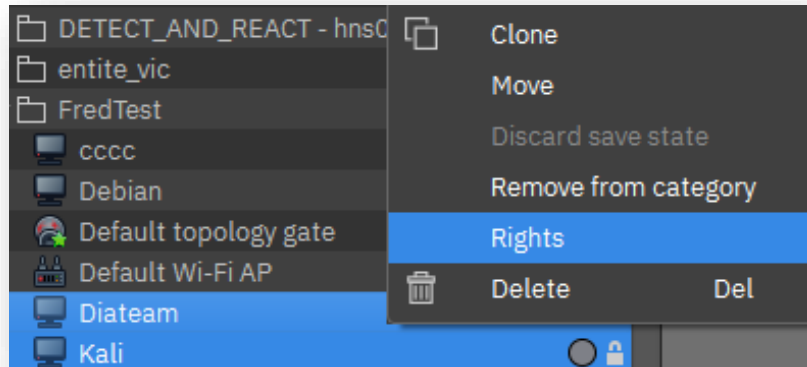




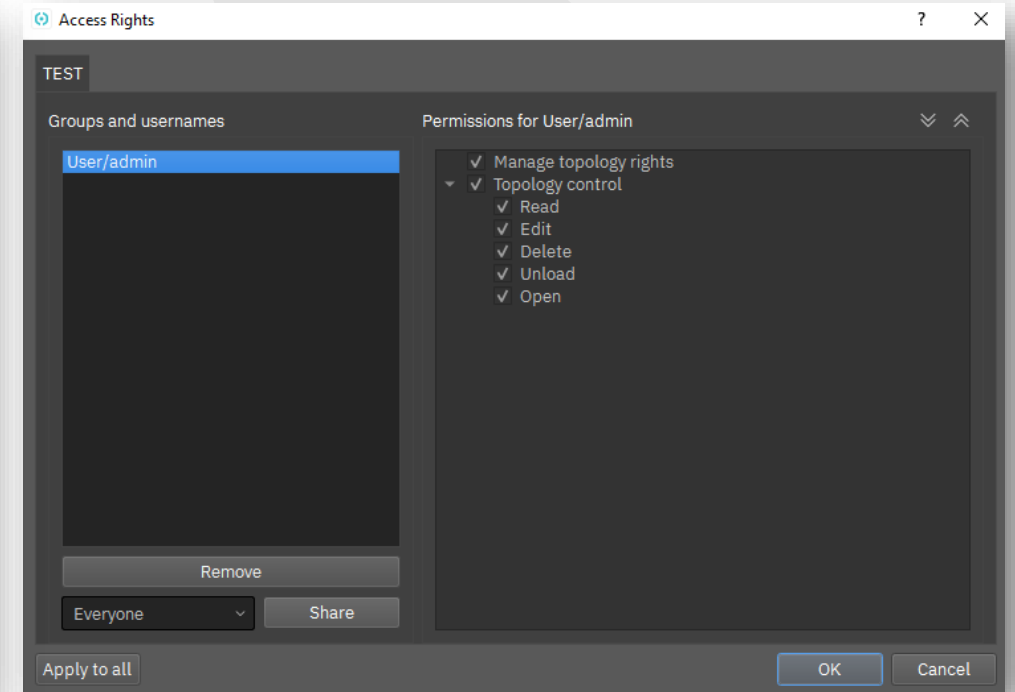
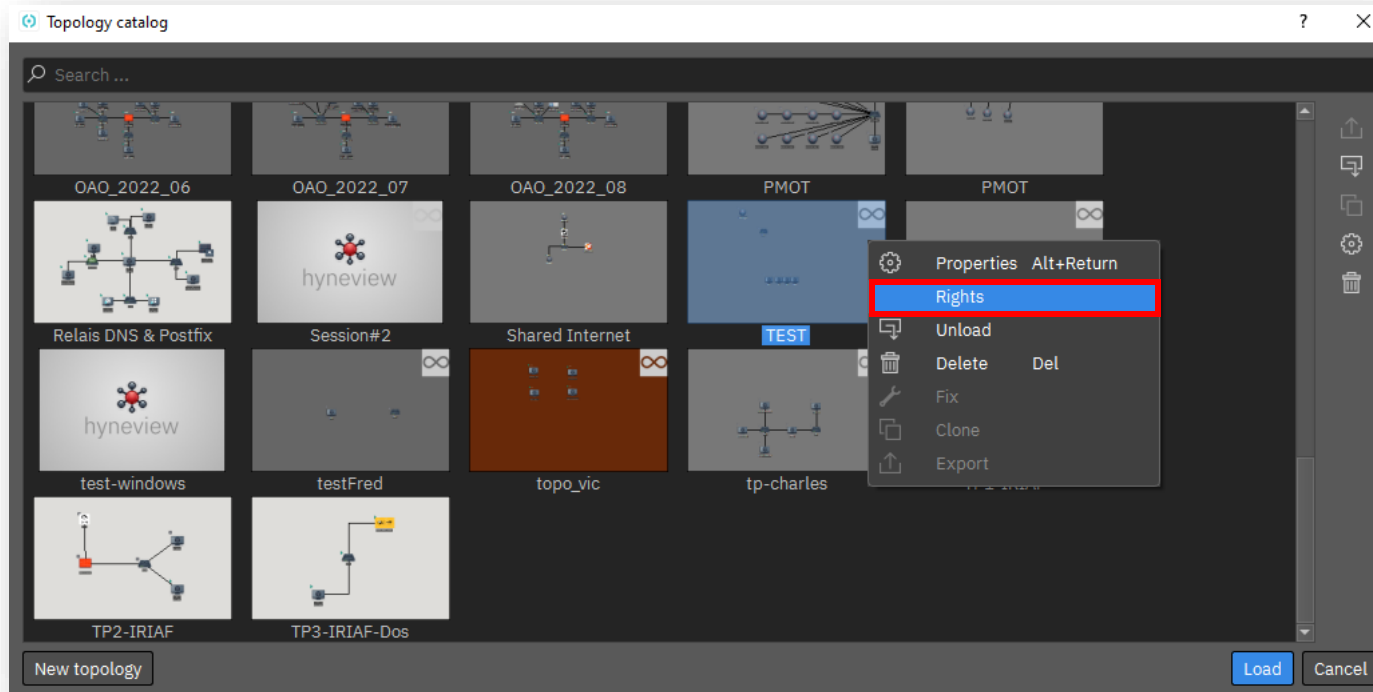
Rights / Groups

Rights/Groups

- Entity Rights and Groups



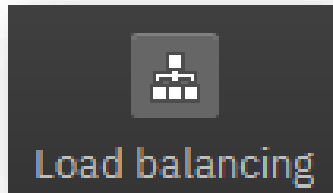
- Topology Rights and Groups





Load Balancing

- Cyber Range Load Balancing



Load Balancing

Behavior used by the load balancing: Smart

	Short Name	Node	Information
<input checked="" type="checkbox"/>	Debian	Auto	
<input checked="" type="checkbox"/>	Default topology gate	Auto	
<input checked="" type="checkbox"/>	Ubuntu	Auto	
<input checked="" type="checkbox"/>	Windows	Auto	
<input checked="" type="checkbox"/>	Kali	Auto	
<input checked="" type="checkbox"/>	switch	Auto	

Node 1
Number of entities: cur = 109

CPU	Memory
Current : 100 / 72 (138%)	254.00 GiB / 251.52 GiB (100%)
Estimate : <input type="text"/>	<input type="text"/>

Node 0
Number of entities: cur = 101

CPU	Memory
Current : 98 / 72 (136%)	170.00 GiB / 251.52 GiB (67%)
Estimate : <input type="text"/>	<input type="text"/>

Node 2
Number of entities: cur = 122

CPU	Memory
Current : 100 / 72 (138%)	225.00 GiB / 251.52 GiB (89%)
Estimate : <input type="text"/>	<input type="text"/>

► Compute ⚙️ Reset OK Cancel



Platform Monitoring

- Grafana Platform Monitoring



- HMI Platform Monitoring

The screenshot displays the 'Platform Monitor' interface for 'hynesim master'. The interface is divided into several sections:

- Left Sidebar:** A navigation menu with 'Mesh summary' at the top, followed by 'hynesim master' (selected), and three nodes: 'Node 1', 'Node 0', and 'Node 2'. Below this is a terminal window showing a list of 'admin@10.100.1.1' entries, and a tree view for 'node-1', 'node-0', and 'node-2'.
- Header:** 'Platform monitoring: hynesim master'
- General Panel:**
 - Service Name: hynesim master
 - Product Version: 4.2.0 (rev 0bc9d8e79a)
 - Service Capabilities: N/A
 - Service Address: 10.100.1.1
- System information Panel:**
 - Linux Kernel: Linux 5.16.0-0.bpo.4-amd64 #1 SMP PREEMPT Debian 5.16.12-1~bpo11+1 (2022-03-08) x86_64
 - Processor: Intel(R) Xeon(R) Gold 5220 CPU @ 2.20GHz
 - Memory: 251.52 GiB
 - Swap: 0.00 KiB
- Hardware monitoring Panel:**
 - Server uptime: 59 day(s), 03:48:53
 - CPU load: 6.0 %
 - Memory load: 108.07 GiB (43.0 %) of 251.52 GiB
 - Swap usage: 0.00 KiB (nan %) of 0.00 KiB
 - Disk space table:

Disk	Total	Used	%	Free
/	438.31 GiB	116.39 GiB	28%	299.58 GiB
/data	13.86 TiB	8.36 TiB	64%	4.80 TiB
- hynesim settings Panel:**
 - Maximum distributed thread: 72
 - Maximum virtual processors: N/A
 - Maximum virtual memory: N/A
- hynesim monitoring Panel:**
 - Service uptime: 59 day(s), 03:46:43
 - Virtual processors: N/A
 - Virtual memory allocation: N/A
 - Defined entities: N/A
 - Hybrid Cards: N/A



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**MANY THANKS !
QUESTIONS ?**



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