

Cubro Vitrum - Element manager for Cubro Packetmasters

Feb 2020



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Vitrum overview



Centralized management of Cubro Packetmasters

Discovery of Cubro equipment Device browser with drill-in and statistics

Network map and visualization

Alarm monitoring

Backup and firmware upgrade, user management



Logir



Vitrum	■ Device List		
Success	ssfully logged out		

Please login to see this page.

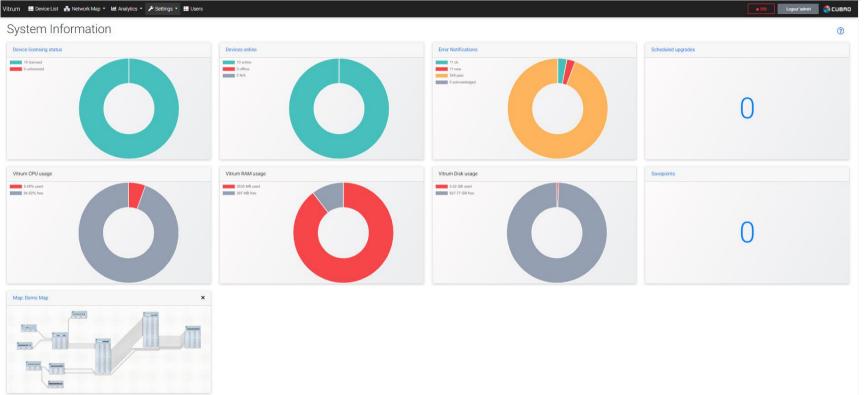
Username	1			
Password				
	Submit			
English (en) +	Set Language	Language options currently:		
→ Recover Password		English German Japanese Simplified Chinese		



Welcome screen

0.0 0.0 0.0 0.0

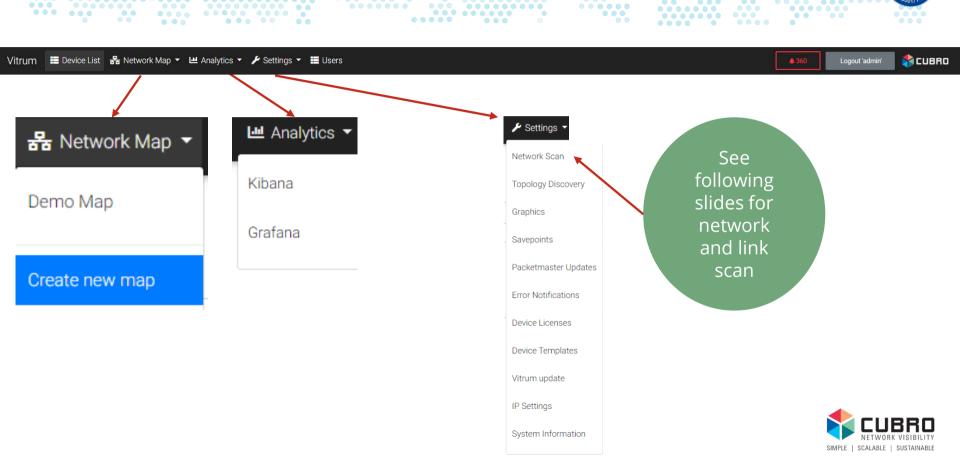






Navigation map

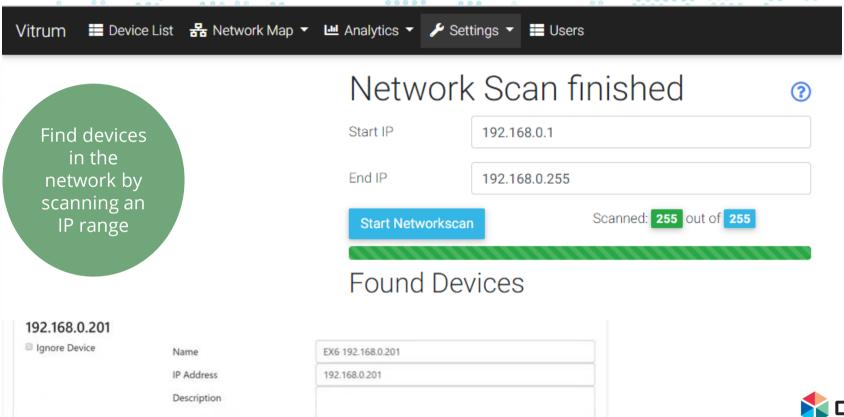




00000 0 0 0

Network discovery - devices

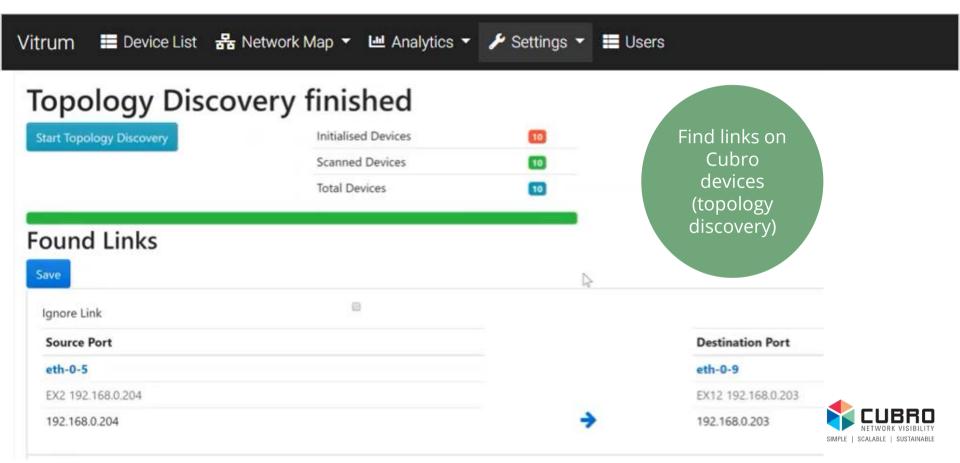






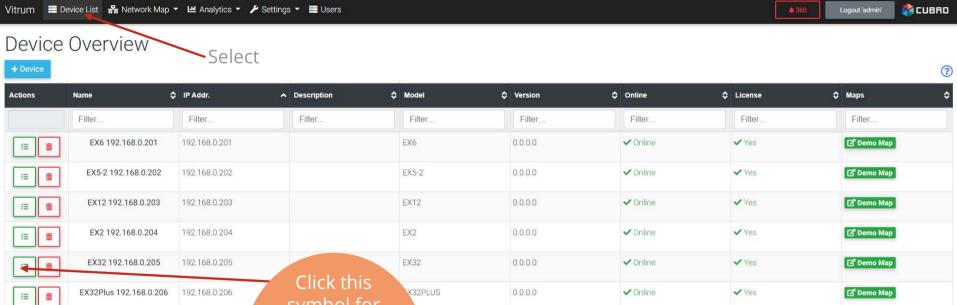
Network discovery - links





Device Browser





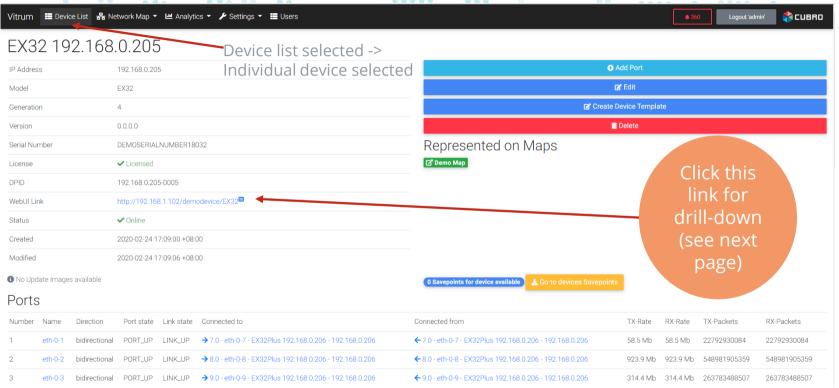
0 0 0 0 0

symbol for detailed port status, statistics and link information



Device browser - device details



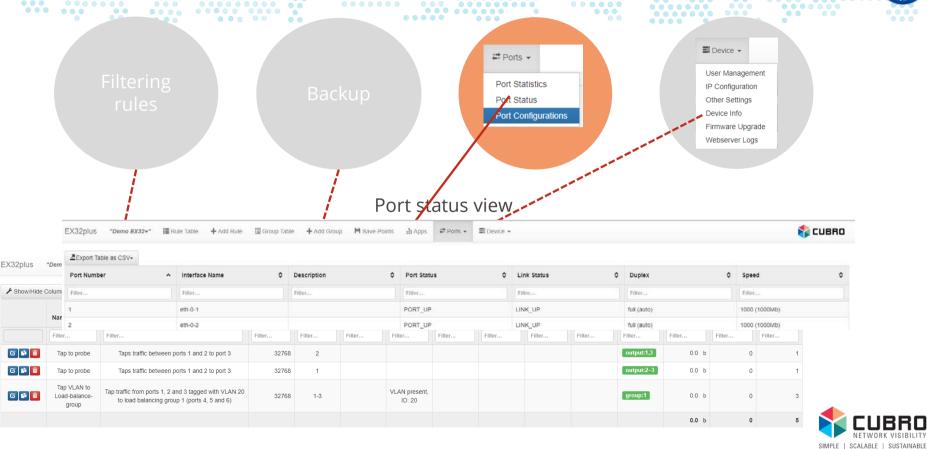




Device browser - device drill-down

00 0000 000 00

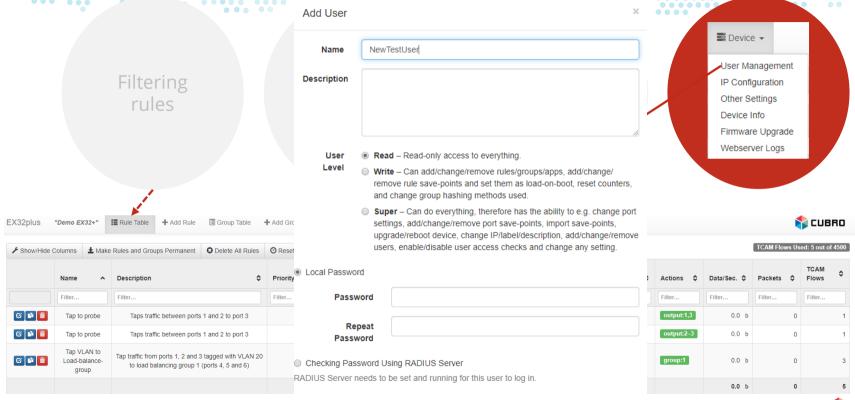




000000

Device browser - User management









Network GUI

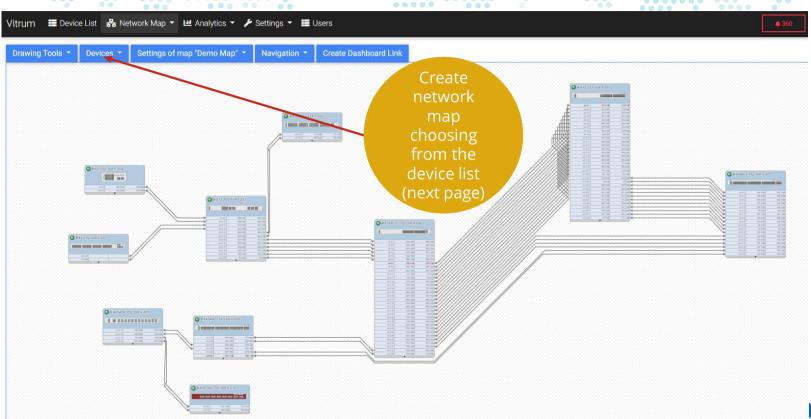
00 000000000

0000 00000 0000 6



000000

0 0 0



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. . .

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00000000



Network GUI – choose from devices

192 168 0.210

(IP: 192.168.0.210)

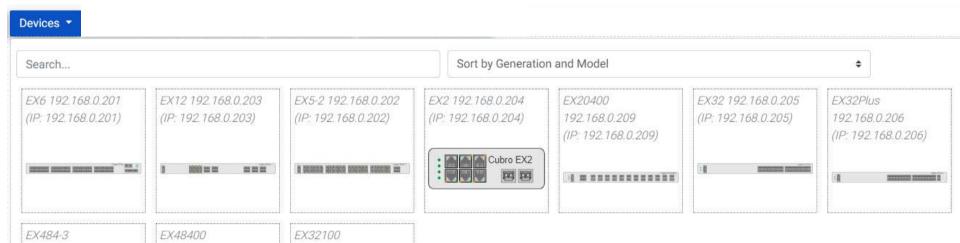
192.168.0.207

(IP: 192.168.0.207)

192 168 0 208

(IP: 192.168.0.208)

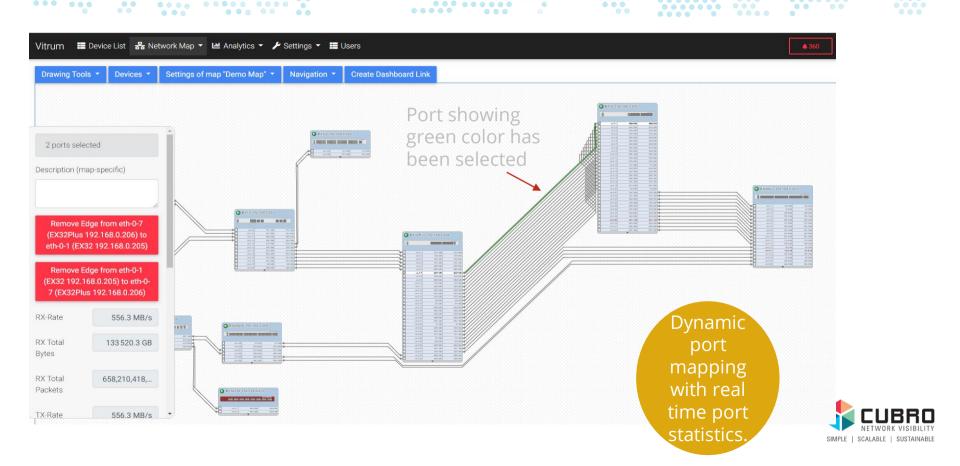




Network GUI - automatic port mapping

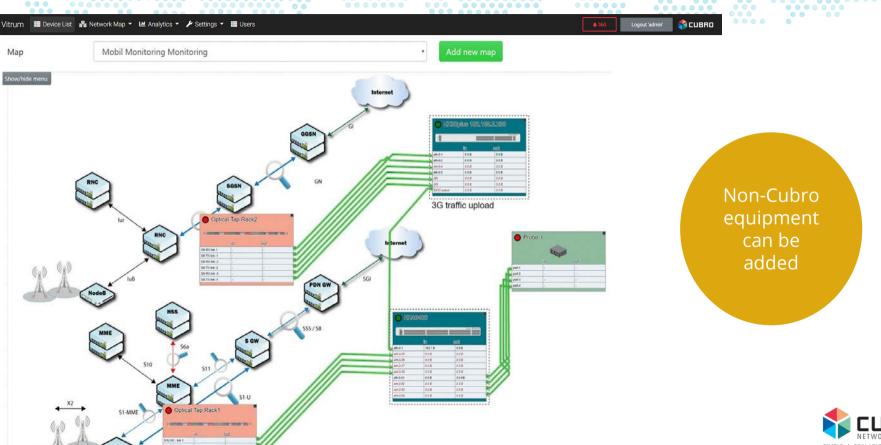
00 00 0000 000





Network GUI – example



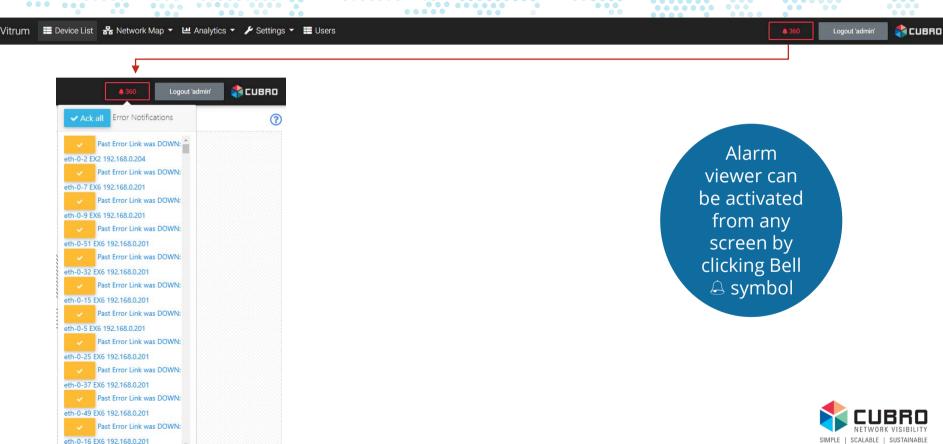




Device Browser - Alarm viewer

00 0000 000 00





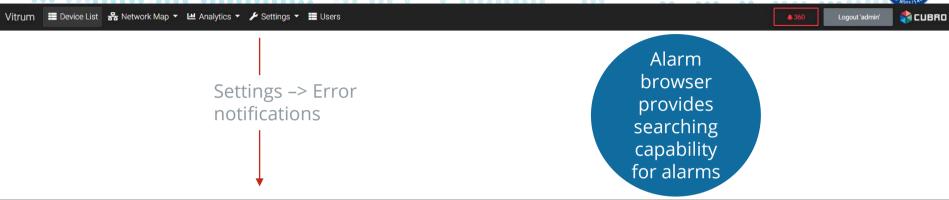
Alarm browser

■ Device List Retwork Map Let Analytics Pettings Let Users



CUBRO

Logout 'admin'



Error Notifications





Adding 3rd party monitoring tools

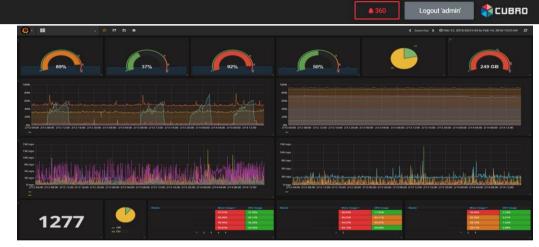


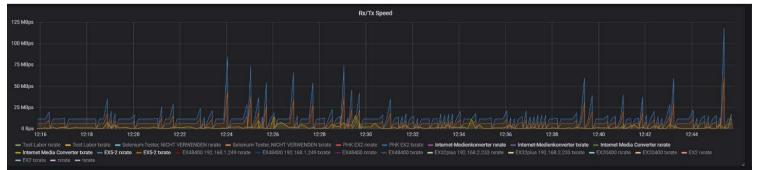
Grafana Dashboard Example

Ribana and
Grafana have
been
integrated
under
analytics

Please note:
integration is SW
integration only, no
reports and graphs
are included. On this
slide dashboard and
graphs are only for
illustration purposes

■ Device List - Randwork Map - Landwice - Settings - Users

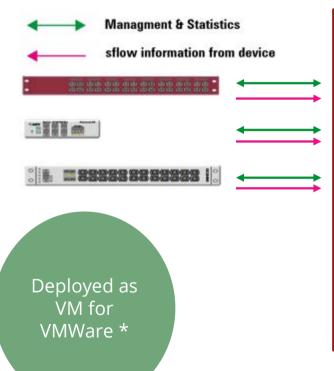


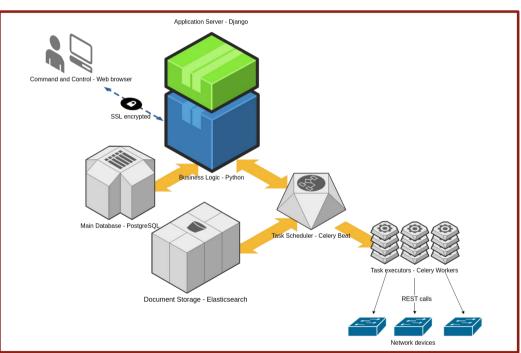




Vitrum architecture









^{*} End-user connects using Web browser and URL (see slide 'Login')

Benefits



- Easy set-up with network and link discovery
- Efficient troubleshooting of the TAP network with alarm browser and easy to use topology view
- Powerful backup and firmware update
- User management with username/password and user rights

- Reduced monitoring costs
- Faster mean time to resolution (MTTR)





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