



# XMC 8.5 Workshop

## using published Scripts and Workflows on GitHub

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Everything you use from this platform must be checked for your requirements and possibly adapted.

A test run in advance is always necessary.



download



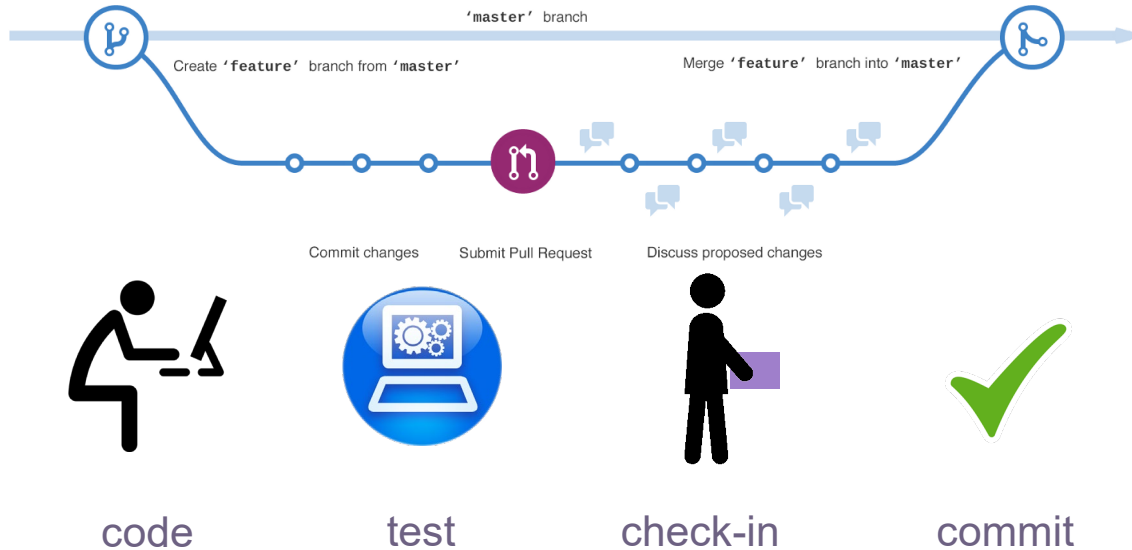
validate  
adapt



execute



Platform to exchange useful code.  
Anyone can fork the master train and modify/add content.  
Extreme Networks must then approve each merge back to the master branch.



**This does not mean that Extreme Networks validates or officially supports all hosted code!**



extremenetworks / ExtremeScripting

381 commits | 1 branch | 0 packages | 1 release | 18 contributors

Branch: master | New pull request | Find file | Clone or download

ZdenekPala Fixed broken link at workflow | Latest commit 74defa8 9 days ago

File	Description	Last Commit
EXOS	Cleaned up logic around command generation	last month
Netsight	Fixed broken link at workflow	9 days ago
SLX_EventHandler	Adding in the SLX_Eventhandler (#40)	last year
.gitmodules	Added exoslib as submodule	last year
README.md	Updated product naming	7 months ago

README.md

## ExtremeScripting

Scripts and Utilities for working with Extreme Networks Switches and Platforms.

## Platforms

- EXOS Switches
- XMC (Netsight) Scripts

old name  
of XMC



The screenshot shows a GitHub repository page for 'extremenetworks/ExtremeScripting'. The page includes a navigation bar with 'Why GitHub?', 'Enterprise', 'Explore', 'Marketplace', and 'Pricing'. Below the navigation bar, there are buttons for 'Watch' (75), 'Star' (74), and 'Fork' (44). The repository name 'extremenetworks / ExtremeScripting' is displayed, along with a search bar and 'Sign in' and 'Sign up' buttons. The main content area shows the commit history for the 'master' branch, with a table listing files and their commit details. A red box highlights the 'oneview\_workflows' file in the commit history. Below the commit history, the README.md file is displayed, containing the title 'Extreme Management Center (Netsight) Scripting', a description, a 'Categories' section with a list of items, and a 'Support' section. A red box highlights the 'Categories' list. Two purple arrows point from the left side of the image to the 'oneview\_workflows' file and the 'Categories' list.

File	Commit Message	Time Ago
..		
cfg_backup_scripts	New content added	2 months ago
oneview_CLI_scripts	Updated to v1.4	25 days ago
oneview_workflows	Fixed broken link at workflow	9 days ago
README.md	Added Workflows	11 months ago

## Extreme Management Center (Netsight) Scripting

Scripts and Utilities for working with Extreme Management Center.

### Categories

- Config backup scripts
- OneView scripts
- OneView workflows

### Support

The software is provided as-is and Extreme Networks has no obligation to provide maintenance, support, updates, enhancements, or modifications. Any support provided by Extreme Networks is at its sole discretion.

Issues and/or bug fixes may be reported on [The Hub](#).

Be Extreme

internal name  
of the WEB-UI



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consuming published Workflows

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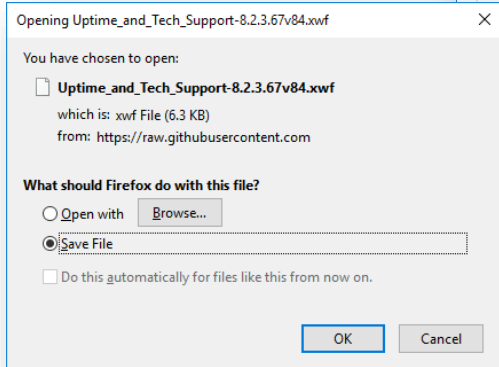
A search bar with a light grey border and a white background. On the left side, there is a small, multi-colored "G" icon followed by the text "Search the Web". On the right side, there is a small grey arrow icon pointing to the right.

 Messages from Firefox



Your privacy is our first thought, not an afterthought. [The proof is in our products.](#)

# GitHub Workflows



## How To

Workflows are available from XMC version 8.1.5 as beta feature. Fully supported in XMC version 8.2 GA

- Import the script = In the Extreme Management Center OneView -> Tasks -> Workflow -> Import...

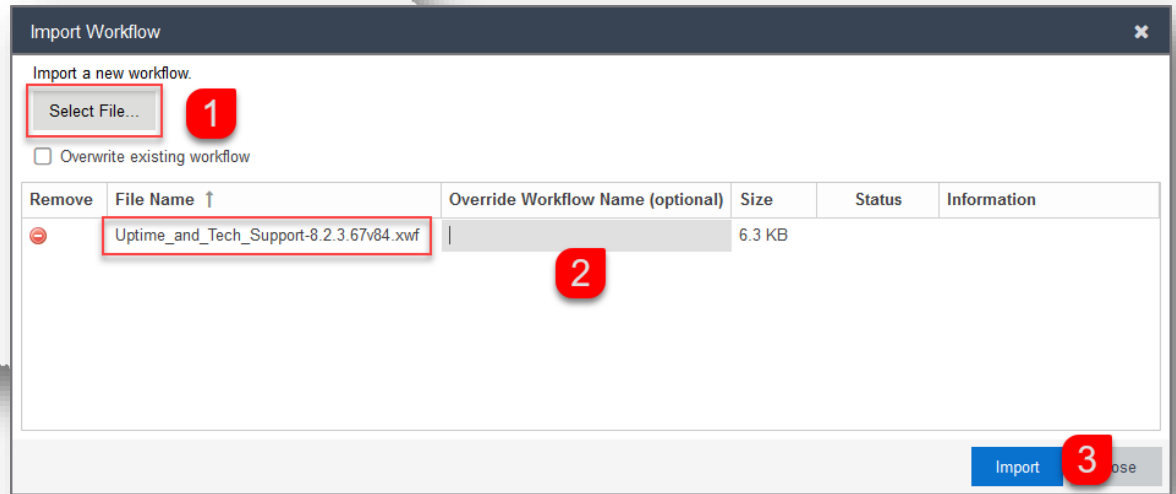
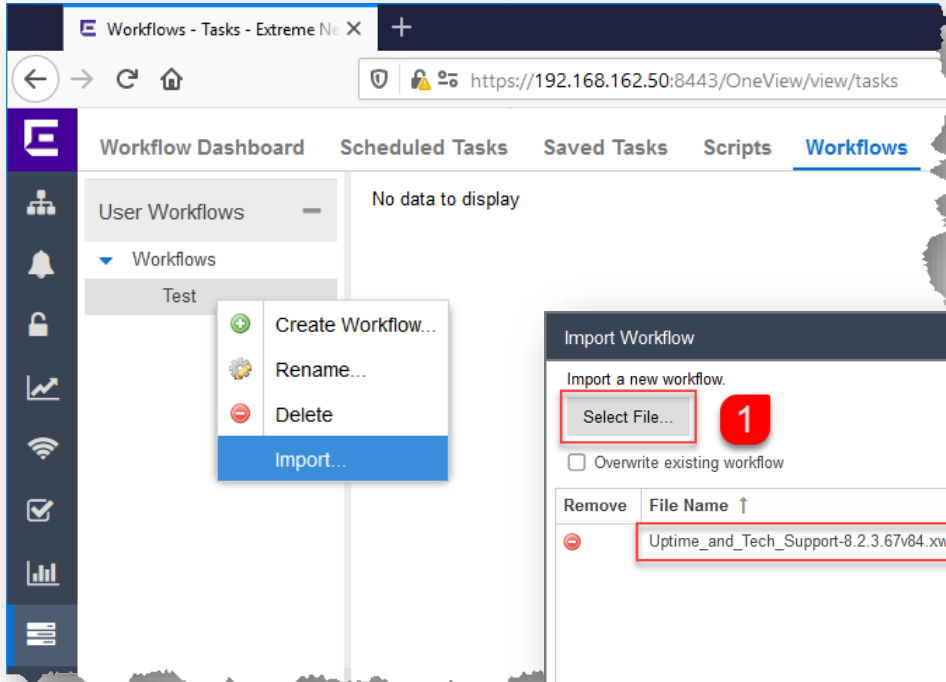
## Extreme Management Center Standalone Workflows

Workflow name	Description	Comment	Version
<a href="#">Send System Time by Email</a>	Gather system time from group of EXOS devices sequentially and aggregated result is sent by email.	Configure the email recipients before executing.	8.2.1.56v22
<a href="#">Investigate End-System history</a>	Prompt for MAC or Username and for time range. Workflow does create table of end-system events in the database and send it by email.	Configure the email recipients before executing. Variable InstallDirectory is referring to the XMC installation path.	8.2.5.50v48
<a href="#">Uptime and Tech Support</a>	Does check the uptime of each device (families: Wireless Controller, VSP, Summit Series, Catalyst). If the uptime is lower then configured value and the device is not in maintenance then the workflow does gather tech support information and send email.	Configure the variable and email destination.	8.2.3.67v84
<a href="#">Gather show support</a>			





# XMC import workflow



# XMC Workflow

make sure you do not select any of the yellow blocks

The screenshot displays the XMC Workflow editor interface. On the left, a workflow diagram shows a sequence of steps: 'Check devices' (yellow block), a parallel split (diamond with '+'), 'Send fail status by email' (yellow block), 'Send success by email' (yellow block), a parallel join (diamond with 'O'), and 'All Done' leading to an 'End' node (pink circle). A red arrow points from the warning text to the yellow blocks. On the right, the configuration panel for the 'Menus' step is shown, with red boxes and numbers 1 through 6 highlighting specific fields: 1. Authorization Groups (Roles), 2. Input field for Authorization Groups, 3. Category (System), 4. Menu, 5. Group, and 6. Network OS.

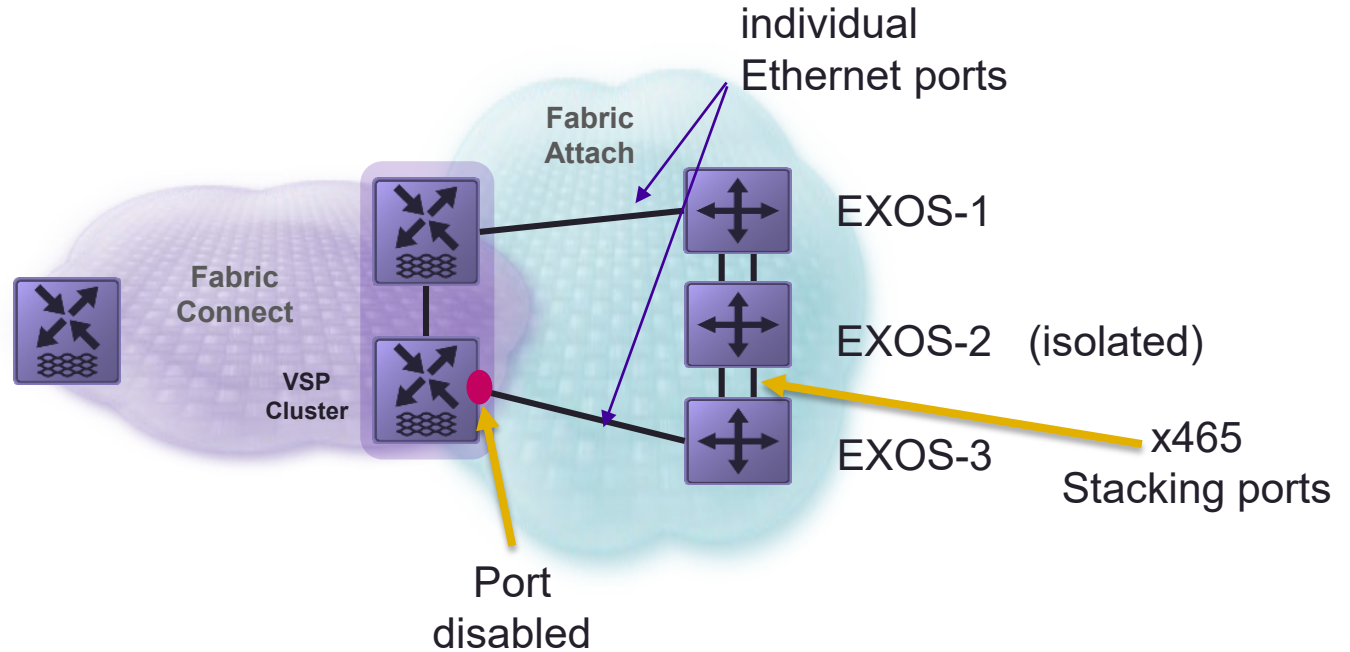


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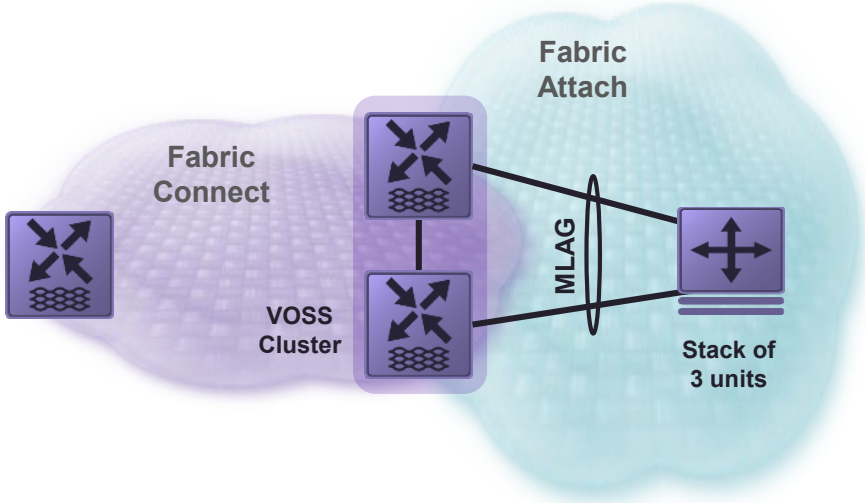
# EXOS stack onboarding

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# EXOS Stack onboarding (Initial Setup)



# EXOS Stack onboarding (Final setup)



# EXOS Stack onboarding

The screenshot displays the EXOS Stack onboarding interface. The left sidebar shows a 'Tree View' with a hierarchy: World > CTC > Reading > APs > Campus (highlighted). The main content area is titled 'ZTP+ Device Defaults' and is divided into two sections: 'Basic Management' and 'Configuration/Upgrade'.

**Basic Management**

Use Discovered IP:	<input checked="" type="checkbox"/>	Domain Name:	<input type="text" value="reading.ctc.local"/>	System Contact:	<input type="text" value="ZTP-Test"/>
Subnet Address:	<input type="text" value="20.0.209.0/24"/>	DNS Server:	<input type="text" value="10.8.255.160"/>	System Location:	<input type="text" value="CTC Lab"/>
Starting IP Address:	<input type="text"/>	DNS Server 2:	<input type="text" value="10.8.255.159"/>	Admin Profile:	<input type="text" value="PoC SNMPV2 Profile"/>
Ending IP Address:	<input type="text"/>	DNS Server 3:	<input type="text"/>	Poll Group:	<input type="text" value="Default"/>
Gateway Address:	<input type="text" value="20.0.209.1"/>	NTP Server:	<input type="text" value="10.8.255.160"/>	Poll Type:	<input type="text" value="SNMP"/>
Management Interface:	<input type="text" value="GRT-Mgmt209"/>	NTP Server 2:	<input type="text"/>		

**Configuration/Upgrade**

Configuration Updates:	<input type="text" value="Always"/>	Firmware Upgrades:	<input type="text" value="Always"/>
Update Date:	<input type="text" value="2019/09/30"/>	Upgrade Date:	<input type="text" value="2019/09/30"/>
Update Time:	<input type="text" value="10:00 AM"/>	Upgrade Time:	<input type="text" value="10:00 AM"/>



# EXOS Stack onboarding

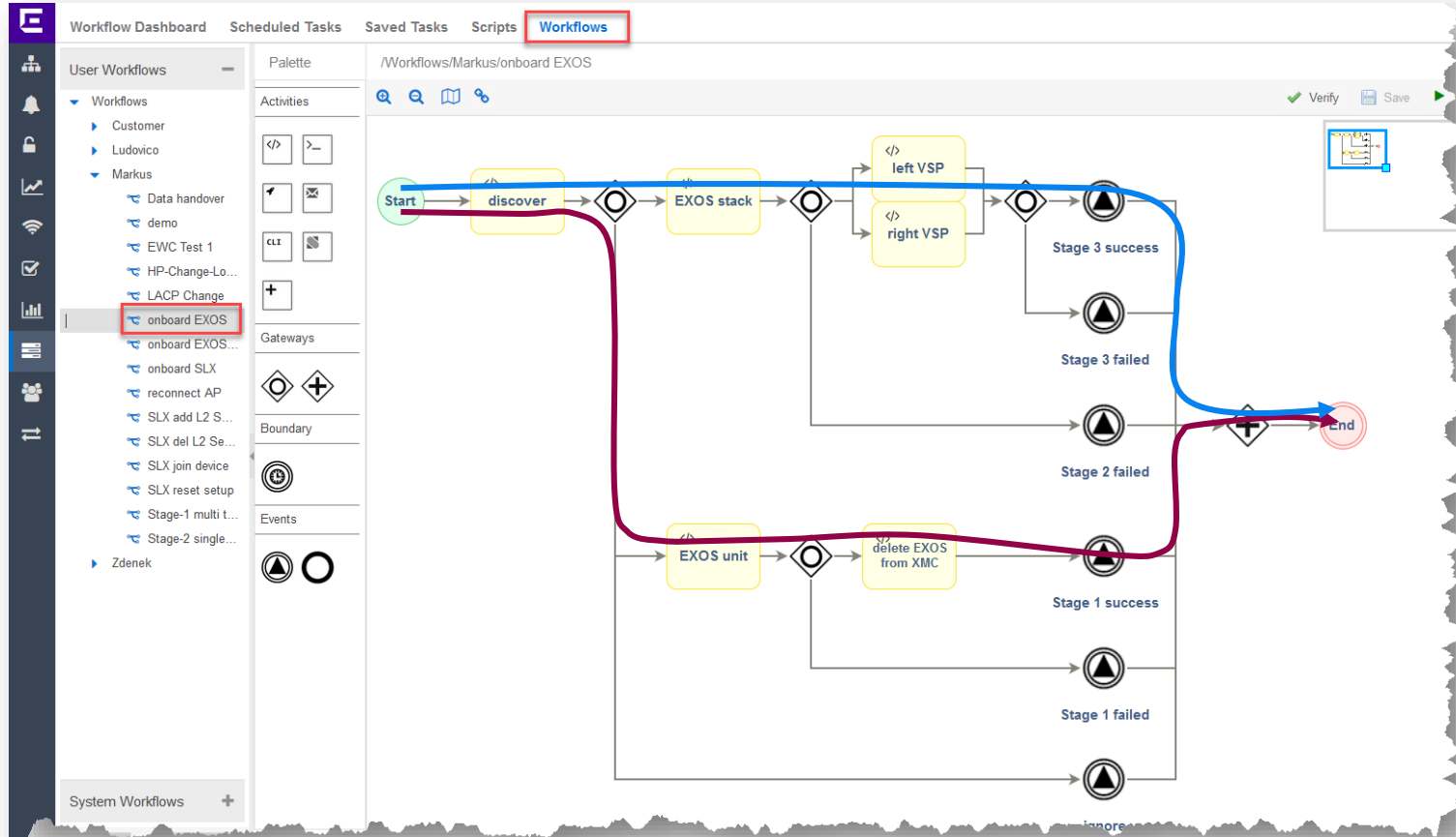
The screenshot displays the EXOS Stack onboarding interface. The left sidebar shows a tree view of the network hierarchy, with 'Campus' selected under 'Reading' in the 'CTC' site. The main content area is divided into several sections:

- Actions:** A red box highlights the 'Actions' menu, which includes options like 'Automatically Add Devices', 'Add Trap Receiver', 'Add Syslog Receiver', 'Enable Collection', 'Add to Archive', and 'Add to Map'. A 'Map Name' dropdown is set to '/World/CTC/Reading/Campus/Campus-map'.
- Custom Configuration:** A table with columns for 'Enabled', 'Vendor', 'Family', 'Topology', and 'Task'. A yellow arrow points to the 'Task' column of the first row.
- Policy:** A section with a checked 'Add Device to Policy Domain' option and a 'Policy Domain' dropdown set to 'Default Policy Domain'.
- Access Control:** A section at the bottom of the main content area.

Enabled	Vendor	Family	Topology	Task
<input checked="" type="checkbox"/>	Extreme	Summit Series	Any	Provisioning/onboard EXOS



# EXOS Stack onboarding





# Next Presentation

Use the [following link](#) to advance to the next PDF in the Workflow education presentation.





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