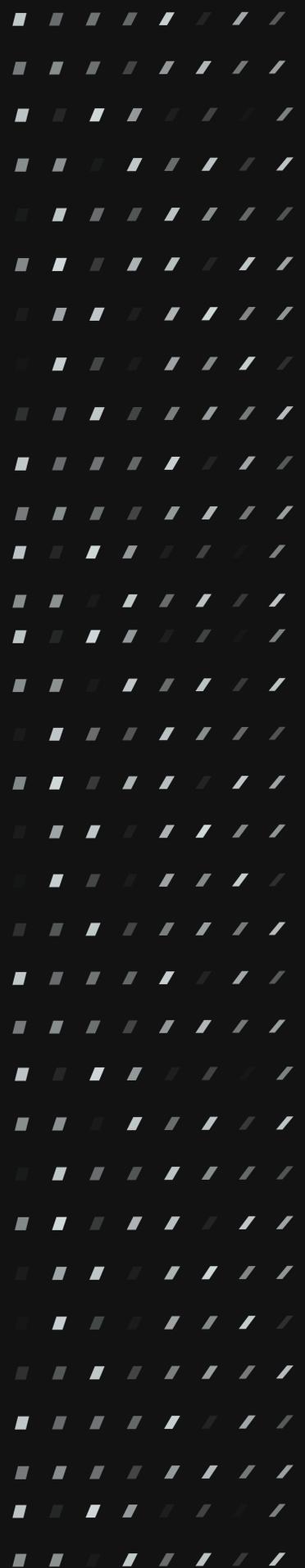


Tasks and Automation



Tasks enables you to automate routine tasks to be performed on various devices within your system. You can create and schedule tasks such as changing passwords and permissions, maintenance tasks such as deleting, copying, or moving data, powering devices on or off, upgrading your connected devices, and many others.

Tasks are run as part of a Job. Jobs can be created within BackBox to run Backups, Tasks, and Intellichecks

Understanding Tasks

The Task Configuration screen displays a list of pre-defined configured tasks and enables you to create new tasks. A task can include any sequence of commands (a script) that the device normally responds to when using the command line. By writing a script, you are writing a series of commands that will be executed as if you were at the command line. The Task Configuration screen helps you to write the script by enabling you to select commands from a simple dialog box as explained below. You can also clone tasks and edit them to do additional things as desired.

Task Configuration Screen

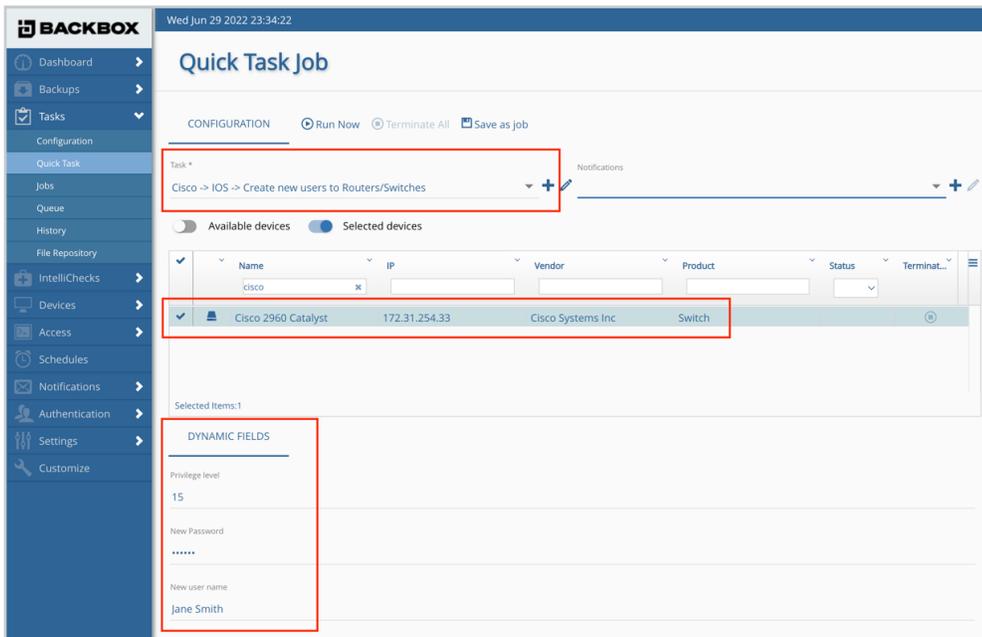
Name	Description	Tag	Site	Access Restriction
PS -> BGP -> Change BGP Password via CLI	Change BGP Password	Configuration/Understand/PS		
Firewall -> Firewall -> Enable SCP				
Juniper -> SSH -> SSH Configure v2	Add SSH V2	Configuration/Juniper		
Cisco -> ASA -> Add TACACS	Add TACACS without changing AUTH type	Configuration/User Manage...		
Cisco -> ASA -> ASDM Upgrade Phase 2	Upgrade ASDM Image (Use IOS Upgrade Phase 1 to send file)	Upgrade/Cisco		
Cisco -> IOS -> User Parameters	Configure New Users	Configuration/User Manage...		
Cisco -> IOS -> VRF	Configure VRF Parameters	Configuration/Routing/Cisco		
Cisco -> IOS -> BGP	Configure BGP	Configuration/Routing/Cisco		
Cisco -> IOS -> Interface Parameters	Configure Physical Interface Parameters	Configuration/Cisco		
Cisco -> IOS -> L2 Interface Parameters	Configure L2 Interface Parameters	Configuration/Cisco		
Cisco -> IOS -> L3 Interface Parameters	Configure L3 Interface Parameters	Configuration/Cisco		
Cisco -> IOS -> Static Route	Configure Static Routes	Configuration/Routing/Cisco		
Cisco -> IOS -> Port Channel Interface Parameters	Configure Port Channel Interface Parameters	Configuration/Cisco		
Cisco -> IOS -> LLDP Global Parameters	Configure LLDP Global Parameters	Configuration/Cisco		
Cisco -> IOS -> LLDP Interface Configuration	Configure LLDP interface details	Configuration/Cisco		

In the example below we will use the Quick Task option to Create a new user on a Router or Switch for a Cisco 2960 Catalyst switch.

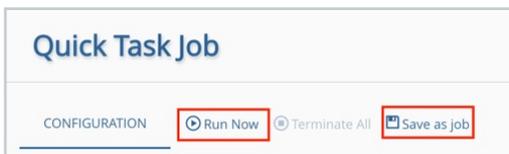
Please note there are multiple Vendors with predefined Tasks available for you to search on under the main Task Configuration window.

To start we will browse to the Tasks heading in the BackBox UI and Select the Quick Task option.

- 1** You will first click the Tasks drop down and search for the Task you wish to implement. In this case we selected 'Cisco -> IOS -> Create new users to Routers/Switches.'
- 2** Next Check mark the Available Devices you wish to run this task on. In this example it is just one device.
- 3** Lastly you will need to fill out the Dynamic Fields required for the task to complete. In this case we added the Privilege Level, New Password, and New username.



Next you have the option to Run Now, or Save as Job to run this task again in the future as needed.



We will select the Run Now option.

To the right under Results you will see the Trail-Log output running through each step of the task.



Once the task is completed you will see the following output:

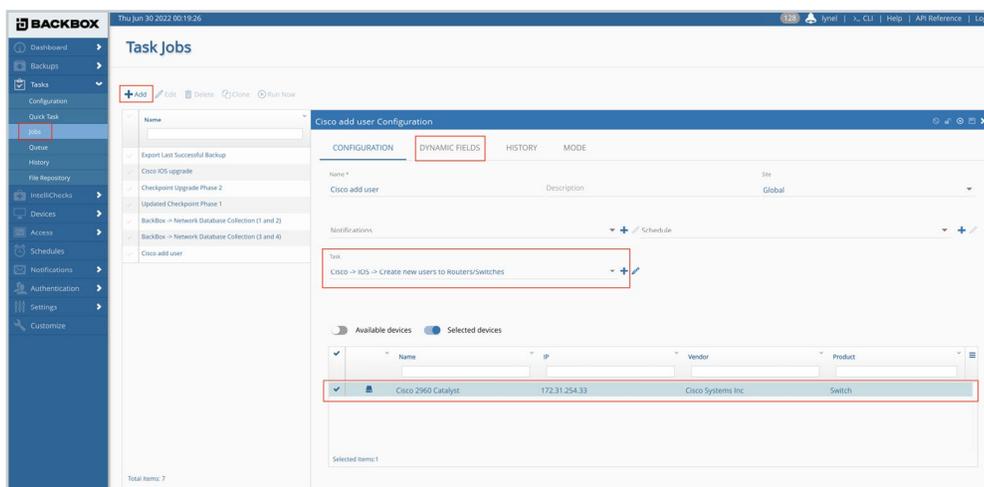
```

30-06-2022 00:13:52 (remote) Running command (session: task): 3. username Jane_Smith privilege 15 password *****
30-06-2022 00:13:53 username Jane_Smith privilege 15 password *****
alex(config)#
30-06-2022 00:13:53 Session SSH execution finished. Session Result:SUCCESS
30-06-2022 00:13:54 Starting Encryption...
30-06-2022 00:13:54 Skipping Directory: /data/backups/12/task_5652/logs
30-06-2022 00:13:54 Finished Encryption.
06-30-2022 00:13:54 TASK Finished. SUCCESS
06-30-2022 00:13:55 Looking for comparable files...
6-30-2022 00:13:55 No Comparable files found.
06-30-2022 00:13:55 Task Completed Successfully.
    
```

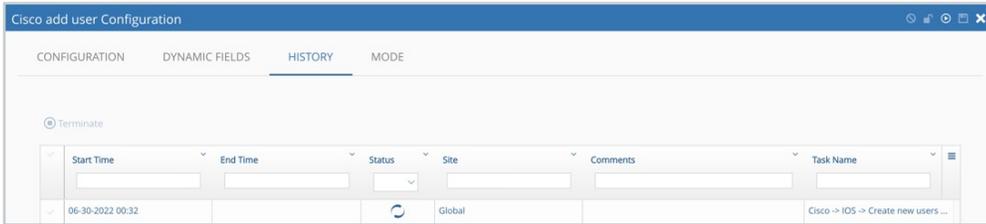
Task Jobs

You can create Task Jobs the same way by selecting Tasks -> Jobs on the side bar.

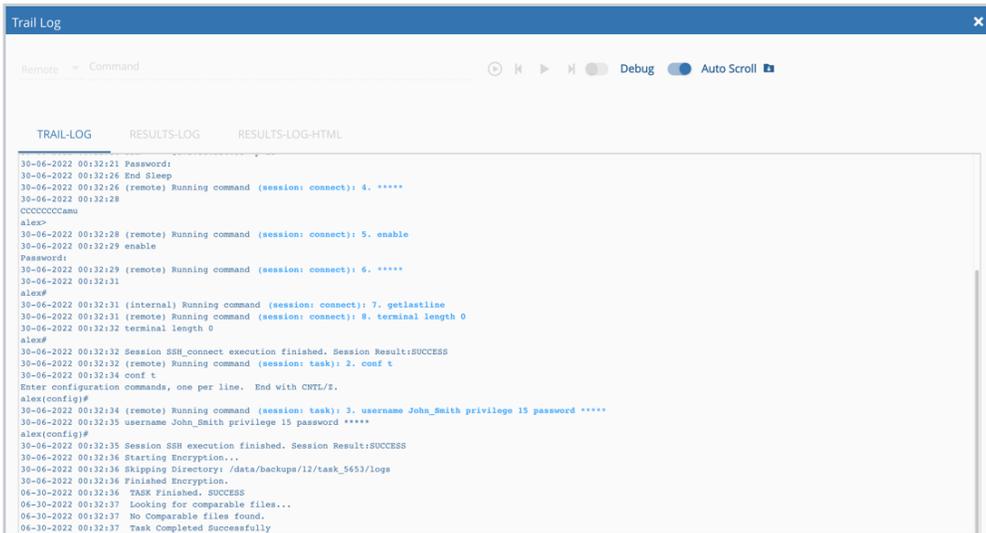
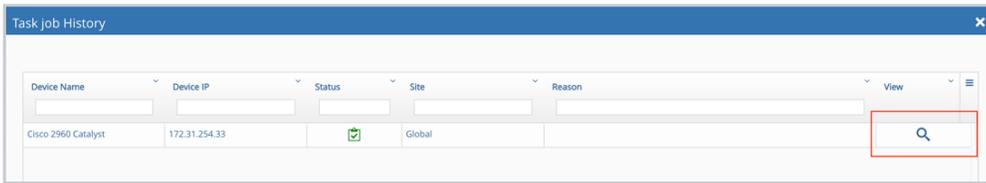
- 1** Click the **+Add** .
- 2** Select the task from the Task drop down.
- 3** Select the Available Devices you wish to run the Task on.
- 4** Click the Dynamic Fields Tab and fill in the Privilege Level, New Password, and New username
- 5** Next click the Save icon  in the upper right-hand corner and then click the Play button  to run it.



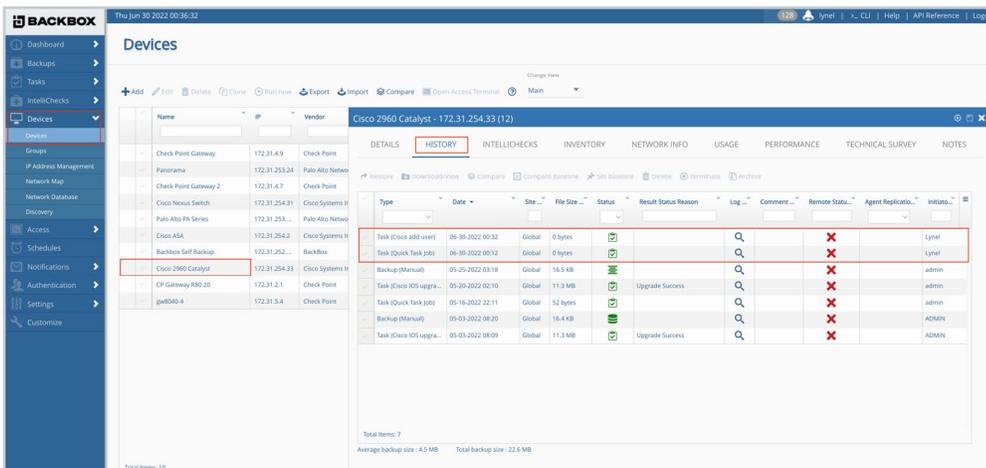
When you click the Play button a screen will pop up showing you the History Tab of the Task and the Status will show it is running.



If you double-click the running task the Task job History will pop up and you can select the magnifying glass to see the scrolling Trail-log to watch the task as it completes.



You can see the history of all Tasks under the Tasks -> History tab. You can also go to the Devices tab, double-click the device name you ran the task on, and under History see all Tasks and previous Backups that completed on that device.



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