

# Tasks and Automation

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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**

Tas	k Configuration				
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	Name	* Description	" Tags "	Ste	✓ Access Restriction ✓ ■
	F5 -> BigtP -> Change Root Password via CU	Charge Root Password	Configuration.Credentials.JF5		A 1
	Fortinet -> FortiGate -> Enable SCP				
	Juniper -> SRX -> SSH Configure v2	Add SSH V2	ConfigurationJuniper		
	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 > 105 > User Parameters	Configure New Users	Configuration,User Manage		
	$Cisco \Rightarrow IOS \Rightarrow VRF$	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 Interfaces Parameters	Configure L2 Interfaces Parameters	Configuration.Osco		
	Cisco → IOS → L3 Interface Parameters	Configure L3 Interface Parameters	Configuration,Cisco		
	Cisco -> 105 -> Static Route	Configure Static Routes	Configuration,Routing,Osco		
	Cisco > 105 > Port Channel Interface Parameters	Configure Port Channel Interface Parameters	Configuration,Cisco		
	Cisco → IOS → LLDP Global Parsmeters	Configure LLDP Global Parameters	Configuration, Cisco		A
	Cisco > IOS > LLDP Interface Configuration	Configure LLDP interface details	Configuration,Osco		

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.



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.
  - 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.

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	Wed Jun 29 2022 23:34:22
Dashboard	Quick Task Job
Configuration	CONFIGURATION ③ Terminate All   Save as job
Quick Task Jobs Queue	Task* Clisco > IOS > Create new users to Routers/Switches
History File Repository	Available devices 💽 Selected devices
IntelliChecks	Name IP Vendor Product Status Terminat =
Access	Cisco 2960 Catalyst 172.31.254.33 Cisco Systems Inc Switch 💿
Notifications	Selected Items:1
Authentication	DYNAMIC FIELDS
Customize	Prolege level 15
	New Password
	New user name Jane Smith

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

Quick Task	Job
CONFIGURATION	Run Now     Image: Terminate All     Save as job

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.



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#### 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 c	an 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.

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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.

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		Start Time	¥ End Time		Status	Site	Comments	Task Name	Ý	=
		06-30-2022 00:32				Global		Cisco -> IOS -> Creat	e new users	

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.

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st	172.31.254.33	Ś	Global			٩		
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RESULT								
12:21 Password 12:26 End Slee 12:26 (remote) 12:28	i: pp ) Running command (sessio	on: connect): 4. ***	•					
2:28 (remote) 2:29 enable	) Running command (sessio	on: connect): 5. enal	ble					
12:29 (remote) 12:31	al) Running command (session)	<pre>sion: connect): 6. ****</pre>	etlastline					
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36-06-0222 00:2135 username John_mith privilege 15 paraword ***** Backconfight 38-06-0222 00:2135 Essenion SBN execution finished. Session Result:SUCESS 36-06-0222 00:2136 Essering Encryption								
2:36 Finished 2:36 TASK Fi 2:37 Looking 2:37 No Comp	<pre>i Encryption. inished. SUCCESS g for comparable files parable files found.</pre>							
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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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Schedules		Backbox Self Backup	172.31.252	BackBox	1	Task (Quick Task Job)	05-30-2022 00:12	Global	0 bytes	٢		Q		×		Lynel
Notifications	1	Cisco 2960 Catalyst	172.31.254.33	Cisco Systems In	2	Backup (Manual)	05-25-2022 03:18	Global	16.5 KB	Ξ		Q		×		admin
Authentication	1.1	CP Gateway R80.20	172.31.2.1	Check Point		Task (Cisco IOS upgra	05-20-2022 02:10	Global	11.3 MB	٢	Upgrade Success	Q		×		admin
해 Settings >	~	gw8040-4	172.31.5.4	Check Point		Task (Quick Task Job)	05-16-2022 22:11	Global	52 bytes	٢		Q		×		admin
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For additional information on features and functionality of BackBox visit the BackBox Help Center: <u>support.backbox.com</u>

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