

Remote Execution Workflow

08/04/15

Schedule Job (With No Pre-selected Hosts)
With Single Provider

Navigation icons: back, forward, refresh. Search input field.

Job Templates

Search [input] Search

Remove Job Template Schedule Job New Job Template

<input type="checkbox"/>	Name	Snippet	Locked	Job Name	
<input type="checkbox"/>	DefaultTemplateOne			DefaultJobOne	Clone
<input type="checkbox"/>	DefaultTemplateTwo			DefaultJobTwo	Clone
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					



Jobs Templates Landing

The user has the option of invoking a new Job from multiple screens including the Job Template landing.

← → ↻

FOREMAN Administrator

Monitor Hosts Configure Infrastructure Administer

Job Scheduler

Job Name

Assign Hosts 1

Host Collection
 Bookmark
 Manual Selection

0 Hosts Assigned

Providers and Templates 2

Assign hosts to configure providers.

Schedule Job 3

Run Job Now
 Schedule Future Job
 Schedule Repeated Job

Time Out Seconds

Job Scheduler - Single Provider - 1 of 2

When the Job Scheduler is invoked without pre-selected hosts the users are required to fill out all the fields. All the elements are stacked in a column to imply a workflow.

1. Users are required to select the hosts they want to perform the job on.

- Host Collection - User creates a static list of hosts that they can consistently perform jobs on.

- Bookmark - User creates a Bookmark or uses a default Bookmark which will dynamically select hosts to perform tasks on.

- Manual Selection - Users are given a dialog which they can freely enter a search query consistent with the search syntax throughout the application.

2. The applicable Providers will be displayed once the User specifies the hosts.

3. By default the Run Job Now option should be selected.

← → ↻

FOREMAN Administrator ▾

Monitor **Hosts** Configure Infrastructure Administer

Job Scheduler

Job Name

Assign Hosts

Host Collection Bookmark Manual Selection

[Manage Host Collections](#)

SSHProvider	SALTProvider	Total Hosts
76	100	176

Last Refresh: 12/22/2015 02:00:00 AM [Refresh Totals](#)

Providers and Templates

SSHProvider

Enabled Disabled

[Template-3](#) [Hide Details](#) 1

Input Settings

Package List

Force Install

[Template-4](#) [Show Details](#)

Schedule Job

Run Job Now Schedule Future Job Schedule Repeated Job

Time Out Seconds

Job Scheduler - Single Provider - 2 of 2

After the all the options are populated the Job can be invoked.

1. If there is a single Provider it should be enabled by default as well as the primary template. The input settings should be expanded by default.

Schedule Job With Hosts Pre-selection
From Hosts Screen - Multi-Provider

Navigation icons: back, forward, refresh. Search input field.

Hosts

Search Search

Selection Action

<input type="checkbox"/>	Name	Operating System	Environment	Model	Host Group
<input checked="" type="checkbox"/>	testhost.idm.lab.bos.com	Red Hat Enterprise Linux Server 6.5	dev, test, test-2	Bladecenter...	
<input checked="" type="checkbox"/>	testhost2.idm.lab.bos.com	Red Hat Enterprise Linux Server 7	Library	Bladecenter...	
<input type="checkbox"/>	testhost3.idm.lab.bos.com	Red Hat Enterprise Linux Server 6.5	dev, test, test-2	Bladecenter...	
<input type="checkbox"/>	testhost4.idm.lab.bos.com	Red Hat Enterprise Linux Server 7	Library	Bladecenter...	
<input type="checkbox"/>	testhost5.idm.lab.bos.com	Red Hat Enterprise Linux Server 6.5	dev, test, test-2	Bladecenter...	1 Day Ago
<input type="checkbox"/>	testhost6.idm.lab.bos.com	Red Hat Enterprise Linux Server 7	Library	Bladecenter...	1 Day Ago
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					

- Change Group
- Build Hosts
- Change Environment
- Edit Parameters
- Delete Hosts
- Disable Notifications
- Enable Notifications
- Disassociate Hosts
- Assign Organization
- Assign Location
- Schedule Job**



Hosts Landing

Users have the option of invoking a Job from the hosts screen based on their manual selections of hosts.

Job Scheduler

Job Name:

Assign Hosts



Host Collection
 Bookmark
 Manual Selection

[Edit Host Selection](#)

host name = (all of the hosts you just selected from the host list go here)

[Documentation](#)

SSHProvider	SALTProvider	Total Hosts
76	100	176

Last Refresh: 12/22/2015 02:00:00 AM [Refresh Totals](#)

Providers and Templates



SSHProvider

Enabled Disabled

[Template-1](#) [Show Details](#)

[Template-2](#) [Show Details](#)

SALTProvider

Enabled Disabled

[Template-3](#) [Hide Details](#)

Input Settings

Package List

Force Install

[Template-4](#) [Show Details](#)



Job Scheduler - Multi-Provider - Run Job Now - 1 of 2

The Job scheduler screen will have pre-populated fields based on the Users selection from the host screens.

1. Manual Selection is selected by default with the query based on the host selection from the host screen.
2. The combination of the host selection resulted in requiring multiple providers. Just like with a single provider both should be enabled by default.

Job Scheduler - Multi-Provider - Run Job Now - 2 of 2

Users have the option to run the Job now or schedule a task.

Assign Hosts

- Host Collection
- Bookmark
- Manual Selection

[Edit Host Selection](#)

host name = (all of the hosts you just selected from the host list go here)

[Documentation](#)

SSHProvider	SALTProvider	Total Hosts
76	100	176

Last Refresh: 12/22/2015 02:00:00 AM [Refresh Totals](#)

Providers and Templates

SSHProvider

- Enabled
- Disabled

[Template-1](#) [Show Details](#)

[Template-2](#) [Show Details](#)

SALTProvider

- Enabled
- Disabled

[Template-3](#) [Hide Details](#)

Input Settings

Package List

Force Install

[Template-4](#) [Show Details](#)

Schedule Job

- Run Job Now
- Schedule Future Job
- Schedule Repeated Job

Time Out Seconds



Host Collection Bookmark Manual Selection

[Edit Host Selection](#)

host name = (all of the hosts you just selected from the host list go here)

[Documentation](#)

SSHPovider	SALTProvider	Total Hosts
76	100	176

Last Refresh: 12/22/2015 02:00:00 AM [Refresh Totals](#)

Providers and Templates

SSHProvider

Enabled Disabled

[Template-1](#) [Show Details](#)

[Template-2](#) [Show Details](#)

SALTProvider

Enabled Disabled

[Template-3](#) [Hide Details](#)

Input Settings

Package List

Force Install

[Template-4](#) [Show Details](#)

Schedule Job

Run Job Now Schedule Future Job Schedule Repeated Job

7/30/2015 1:30 AM PM

Time Out Seconds

Job Scheduler - Multi-Provider - Schedule Future Job

Users have the option of scheduling a single instance of a future Job.

1. The button should change from Run to Schedule depending on the option chosen.

76 100 176

Last Refresh: 12/22/2015 02:00:00 AM [Refresh Totals](#)

Providers and Templates

SSHProvider

Enabled Disabled

[Template-1](#) [Show Details](#)

[Template-2](#) [Show Details](#)

SALTProvider

Enabled Disabled

[Template-3](#) [Hide Details](#)

Input Settings

Package List

Force Install

[Template-4](#) [Show Details](#)

Schedule Job

Run Job Now Schedule Future Job Schedule Repeated Job

Repeats

Repeat Weeks

Every Mon Tue Wed Thur Fri Sat Sun

AM PM

Repeat On

Ends Never On

Time Out Seconds

Job Scheduler - Multi-Provider - Schedule Repeated Job

Users have the option to schedule a repeated job that reoccurs in a specified interval.

Jobs Landing and Existing Job Detail

← → ↻

FOREMAN Administrator ▾

- Monitor
- Hosts
- Configure
- Infrastructure
- Administer

Jobs

-
-
-

- Running Jobs
- Scheduled Jobs
- Job History

<input type="checkbox"/>	Job Name	Job Schedule Type	Last Run	Next Scheduled Time	Succeeded	Failed	Total Hosts
<input type="checkbox"/>	PackageInstall	Single Job Run	01/12/2016 02:00:00 AM	N/A	132	44	176
<input type="checkbox"/>	Security Errata Update	Repeating Job	12/03/2015 02:00:00 AM	1/03/2016 02:00:00 AM	20	5	25
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							

Jobs Landing - Job History

The Jobs listed are Jobs that have been previously run. This includes repeating Jobs which are scheduled to run again.

Navigation icons: back, forward, refresh. Search bar.

FOREMAN Administrator

- Monitor
- Hosts**
- Configure
- Infrastructure
- Administer

PackageInstall

- Export Report
- Remove
- Clone
- Schedule Job

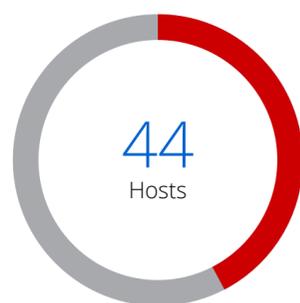
- Overview
- Hosts**
- Previous Job Runs

Previous Run Results

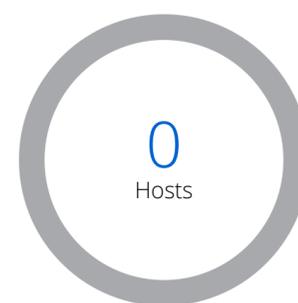
12/22/2015 02:00:00 AM (Last Run) Show



Successful Run



Failed Run



Pending Run

Job Name: PackageInstaller

Assign Hosts

- Host Collection
- Bookmark
- Manual Selection

NE-datacenter-rack4 Manage Host Collections

SSHProvider	SALTProvider	Total Hosts
76	100	176

Last Refresh: 12/22/2015 02:00:00 AM Refresh Totals

Last Run

12/22/2015 02:00:00 AM View Run History

Job Type

Single Run Job Schedule New Job

Time Out: 600 Seconds

Providers and Templates

SSHProvider

- Enabled
- Disabled

Template-1 Show Details

Template-2 Show Details

SALTProvider

- Enabled
- Disabled

Template-3 Hide Details

Template-4 Show Details

Job Detail - Single Run Job - Overview

The Job detail contains all Job settings and an overview of all the job run data. We are looking at a Job that is a single run Job that has already been run.

- Users have the option of exporting a report against the previously run Job.

Navigation bar with back, forward, and refresh icons, and a search input field.

FOREMAN Administrator

- Monitor
- Hosts**
- Configure
- Infrastructure
- Administer

PackageInstall

- Export Report
- Remove
- Clone
- Schedule Job

- Overview
- Hosts**
- Previous Job Runs

Show Hosts 12/22/2015 02:00:00 AM (Last Run) Show

<input type="checkbox"/>	Host Name	Provider	Status	Run Report
<input type="checkbox"/>	host-1	SSH	Succeeded	334 Packages Successfully intalled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-2	SSH	Succeeded	334 Packages Successfully intalled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-3	SSH	Succeeded	334 Packages Successfully intalled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-4	SSH	Succeeded	334 Packages Successfully intalled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-5	SSH	Failed	24 Packages Failed to intalll 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-6	SSH	Succeeded	334 Packages Successfully intalled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-7	SSH	Succeeded	334 Packages Successfully intalled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-8	SSH	Succeeded	334 Packages Successfully intalled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-9	SALT	Succeeded	334 Packages Successfully intalled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-10	SALT	Succeeded	334 Packages Successfully intalled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-11	SALT	Succeeded	334 Packages Successfully intalled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-12	SALT	Failed	24 Packages Failed to intalll 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-13	SSH	Succeeded	334 Packages Successfully intalled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-14	SSH	Succeeded	334 Packages Successfully intalled 12/22/2015 02:00:00 AM

Job Detail - Single Run Job - Hosts

The Hosts tab shows the hosts assigned to the Job. If the Job has been previously run the user can see the hosts that the Job was run on at the time of invocation.

- Users must be able to see a clear and specific error message to help troubleshoot issues with the host.

Navigation icons: back, forward, refresh. Search bar.

FOREMAN Administrator

- Monitor
- Hosts
- Configure
- Infrastructure
- Administer

PackageInstall

Overview **Hosts** Previous Job Runs

Export Report Remove Clone **Reschedule Job**

Job Name: PackageInstaller

Assign Hosts

- Host Collection
- Bookmark
- Manual Selection

NE-datacenter-rack4 [Manage Host Collections](#)

SSHPovider	SALTProvider	Total Hosts
76	100	176

Last Refresh: 12/22/2015 02:00:00 AM [Refresh Totals](#)

Next Scheduled Run

12/22/2015 02:00:00 AM [Edit Job Schedule](#)

Job Type

Repeating Job

Last Run

No Previous Jobs [View Run History](#)

Time Out: 600 Seconds

Providers and Templates

SSHProvider

- Enabled Disabled
- Template-1 [Show Details](#)
- Template-2 [Show Details](#)

SALTProvider

- Enabled Disabled
- Template-3 [Hide Details](#)
- Template-4 [Show Details](#)

Job Detail - Repeating Job

This Job has yet to be run, but it scheduled to repeat. As a result there is no host status to display in the charts.

1. Since the Job has never been run there should be a simple message stating that there have been no previous Job runs with the next scheduled run.
2. The button should reflect the state of the Job. Since the Job is already scheduled it should say Reschedule.

Navigation bar with back, forward, and refresh icons, and an empty search input field.

FOREMAN Administrator

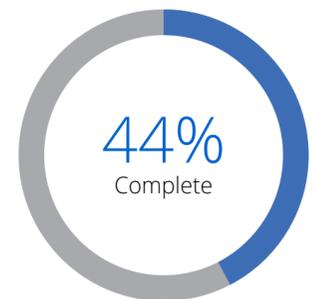
- Monitor
- Hosts**
- Configure
- Infrastructure
- Administer

PackageInstall

- Export Report
- Remove
- Clone
- Cancel Job

- Overview**
- Hosts
- Job History

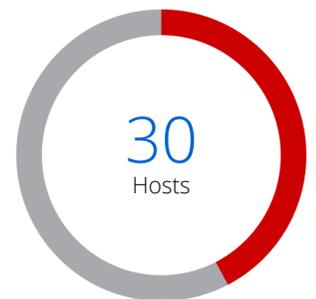
Job Currently Running Job Run Started: 12/22/2015 02:00:00 AM



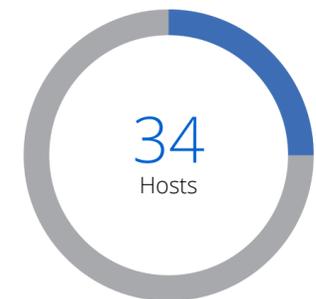
Job Run Completion



Successful Run



Failed Run



Pending Run

Job Name: PackageInstaller

Assign Hosts

Host Collection Bookmark Manual Selection

NE-datacenter-rack4 Manage Host Collections

SSHProvider	SALTProvider	Total Hosts
76	100	176

Last Refresh: 12/22/2015 02:00:00 AM Refresh Totals

Last Run

Job Run Started: 12/22/2015 02:00:00 AM View Run History

Job Type

Single Run Job Schedule New Job

Time Out: 600 Seconds

Providers and Templates

SSHProvider

Enabled Disabled

- Template-1 Show Details
- Template-2 Show Details

SALTProvider

Enabled Disabled

- Template-3 Hide Details
- Template-4 Show Details

Job Detail - Single Run Job - Currently Running

This Job is currently running.

1. The primary action the User can perform is canceling the Job.
2. This chart reflects the run status. This chart should only be shown when the Job is in the running state.

Job Templates

← → ↻

FOREMAN Administrator ▾

- Monitor
- Hosts
- Configure
- Infrastructure
- Administer

Job Templates

-
-
-

<input type="checkbox"/>	Name	Snippet	Locked	Job Name	
<input type="checkbox"/>	PackageInstallerSSH			PackageInstaller	<input type="button" value="Clone"/>
<input type="checkbox"/>	DefaultTemplateTwo			DefaultJobTwo	<input type="button" value="Clone"/>
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					
<input type="checkbox"/>					

Jobs Templates Landing

The Job Templates are listing in the landing.

