

Remote Execution Workflow

08/04/15

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

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FOREMAN

Administrator

▼

Monitor

Hosts

Configure

Infrastructure

Administer

Job Templates

Search

🔍

Search

Remove Job Template

Schedule Job

New Job Template

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

1024

1200

←→↺

FOREMAN

Administrator

Monitor

Hosts

Configure

Infrastructure

Administer

Job Scheduler

Job Name

PackageInstaller

Assign Hosts

Host Collection

Bookmark

Manual Selection

Choose Host Collection

Manage Host Collections

0 Hosts Assigned

Providers and Templates

Assign hosts to configure providers.

Schedule Job

Run Job Now

Schedule Future Job

Schedule Repeated Job

Time Out

0

Seconds

Cancel

Run Job

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 work-flow.

- 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.
- The applicable Providers will be displayed once the User specifies the hosts.
- By default the Run Job Now option should be selected.

1024

1200

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FOREMAN

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Monitor

Hosts

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Administer

Job Scheduler

Job Name

PackageInstaller

Assign Hosts

Host Collection

Bookmark

Manual Selection

NE-datacenter-rack4

Manage Host Collections

SSHPovider

76

SALTProvider

100

Total Hosts

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

600

Seconds

Cancel

Run Job

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

← → ↺

FOREMAN

Administrator

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Hosts

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Infrastructure

Administer

Hosts

Search

Search

<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"/>						

Selection Action

New Host

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.

FOREMAN

Administrator

Monitor

Hosts

Configure

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Administer

Job Scheduler

Job Name

PackageInstaller

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

76

SALTProvider

100

Total Hosts

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.

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

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

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

☐ 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


76

SALTProvider

100

Total Hosts


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

600

 Seconds

Cancel

Schedule Job


1

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

[Cancel](#)

[Schedule Job](#)

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

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Monitor

Hosts

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Jobs

Search

Search

Remove Job

Clone Job

New Job

Running Jobs

Scheduled Jobs

Job History

<input type="checkbox"/>	Job Name	Status	Succeeded	Failed	Pending	Total Hosts	Next Scheduled Time
<input type="checkbox"/>	Run Puppet	<div><div></div>91% Complete</div>	100	10	10	120	01/12/2016 02:00:00 AM
<input type="checkbox"/>	Uninstall Package	<div><div></div>22% Complete</div>	20	5	40	65	N/A
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
<input type="checkbox"/>							
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<input type="checkbox"/>							

Jobs Landing - Running Jobs

When Users view the Jobs screen the Running Jobs are shown by default. This includes the status of the Job running on the hosts. Users can click the number in each column to view the host list and troubleshoot errors.

Jobs

Search

🔍

Search

Remove Job

Clone Job

New Job

Running Jobs

Scheduled Jobs

Job History

<input type="checkbox"/>	Job Name	Job Schedule Type	Next Scheduled Time	Total Hosts
<input type="checkbox"/>	PackageInstaller	Single Job Run	01/12/2016 02:00:00 AM	76
<input type="checkbox"/>	ApplyErrata	Repeating Job	12/03/2015 02:00:00 AM	234
<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 - Scheduled Jobs

The listed Jobs are the ones scheduled to run. This includes Jobs that are single or repeating.

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Jobs

Search

Search

Remove Job

Clone Job

New Job

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"/>							

Jobs Landing - Job History

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

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Monitor

Hosts

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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

132

Hosts

Successful Run

44

Hosts

Failed Run

0

Hosts

Pending Run

Job Name

PackageInstaller

Assign Hosts

☒ Host Collection

☐ Bookmark

☐ Manual Selection

NE-datacenter-rack4

Manage Host Collections

SSHPovider

76

SALTProvider

100

Total Hosts

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.

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

← → ↺

FOREMAN

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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 intallled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-2	SSH	Succeeded	334 Packages Successfully intallled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-3	SSH	Succeeded	334 Packages Successfully intallled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-4	SSH	Succeeded	334 Packages Successfully intallled 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 intallled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-7	SSH	Succeeded	334 Packages Successfully intallled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-8	SSH	Succeeded	334 Packages Successfully intallled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-9	SALT	Succeeded	334 Packages Successfully intallled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-10	SALT	Succeeded	334 Packages Successfully intallled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-11	SALT	Succeeded	334 Packages Successfully intallled 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 intallled 12/22/2015 02:00:00 AM
<input type="checkbox"/>	host-14	SSH	Succeeded	334 Packages Successfully intallled 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.

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

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PackageInstall

Export Report

Remove

Clone

Schedule Job

<input type="checkbox"/>	Job Schedule Type	Job Run Time	Succeeded	Failed	Total Hosts	Author
<input type="checkbox"/>	Single Job Run	01/12/2016 02:00:00 AM	100	10	110	bill@hotmail.com
<input type="checkbox"/>	Single Job Run	12/03/2015 02:00:00 AM	20	5	25	dan@hotmail.com
<input type="checkbox"/>						
<input type="checkbox"/>						
<input type="checkbox"/>						
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<input type="checkbox"/>						
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<input type="checkbox"/>						
<input type="checkbox"/>						

Job Detail - Single Run Job - Job History

The list of Jobs shown in this tab shows all previous runs performed on this Job.

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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.

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Export Report

Remove

Clone

Cancel Job

Overview

Hosts

Job History

Job Currently Running

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

44%
Complete

112
Hosts

30
Hosts

34
Hosts

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

76

SALTProvider

100

Total Hosts

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

Job Templates

Search

🔍

Search

Remove Job Template

Schedule Job

New Job Template

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

Jobs Templates Landing

The Job Templates are listing in the landing.

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FOREMAN

Administrator

▼

Monitor

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Job Templates

Search

🔍

Search

Remove Job Template

Schedule Job

New Job Template

☐

Template Name

☐

PackageInstallerSSH

☐

DefaultTemplateTwo

☐

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☐

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Detail

Inputs

Type

History

Job Name

PackageInstaller

Provider

SSH

▼

Template Name

PackageInstallerSSH

Note: Note goes here in this box.

Template Editor

Code

Preview

Default

Template

Browse

No file selected.

Job Templates Detail

The Template detail is editable by Users. The Job template name should be should be auto-generated based on the Job Name and Provider.