

# **Foreman Remote Execution (SSH) User Provisioning Across Managed Hosts**

## **Overview**

This set of screenshots documents using Foreman Remote Execution with the Run Command – SSH Default job template to run a standardized administrative command against multiple managed CentOS Stream 9 hosts. The workflow validates that hosts are discoverable in Foreman, selectable via search queries, and able to successfully execute commands remotely with tracked results.

## **What I Did**

Confirmed target systems were present under Hosts in Foreman (inventory and OS details verified).

Selected hosts using Foreman search filters (static query) to ensure the job targets the correct systems.

Launched a Remote Execution job using the SSH default command template.

Executed a user-provisioning command remotely (run as the effective root user).

Reviewed job dashboards to verify execution status and per-host success.

## **Results**

Remote execution ran successfully with 100% success on the selected host(s).

Job output confirms Foreman can consistently execute administrative tasks via SSH and track results centrally.

Hosts remained visible and manageable in Foreman after execution, confirming continued connectivity and management readiness.

## **GitHub Filename**

TICKET\_Foreman\_Remote-Execution\_SSH\_User-Provisioning\_Multi-Host.md

## **Sanitation Disclaimer**

All screenshots have been sanitized prior to publication. Any IP addresses, hostnames, domain names, URLs, usernames, organization/location identifiers, and other environment-specific values have been replaced with placeholders to protect internal infrastructure details.

Shows the Foreman Hosts inventory filtered to dev-app-eg3, confirming the presence of dev-app-eg3.procore.prod1. The host is registered and managed in Foreman, running CentOS Stream 9 on a VMware 7.1 platform, with management actions available, indicating the system is successfully onboarded and ready for centralized administration.

Board - Edward Garrido - Pro-Core

Run remote command Foreman

Foreman - Procore-Plus Wiki

Hosts

Not securehttps://10.1.30.24/hosts?search=dev-app-eg3&page=1

FOREMAN

Any OrganizationAny Location

Edward Garrido

Monitor

Content

Hosts

Configure

Infrastructure

Administer

Hosts

dev-app-eg3

Select ActionExportCreate Host

0 of 1 selected

	Power	Name	Operating system	Puppet Environment	Model	Host group	Last report	Actions
<input type="checkbox"/>		dev-app-eg3.procore.prod1	CentOS Stream 9		VMware7,1			Edit

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Shows a Foreman Remote Execution job configuration targeting dev-app-eg3.procore.prod1. The Run Command – SSH Default job template is selected, resolving to a single host via a static search query. A user-creation command is defined for execution with authentication fields populated, execution ordering specified, and the job set to run immediately. This confirms Foreman’s ability to securely execute ad-hoc administrative commands on managed hosts through centralized remote execution.

Board - Edward Garrido - Pro-Core

Run remote command Foreman

Foreman - Procore-Plus Wiki

Job invocation

Not secure https://10.1.30.24/job\_invocations/new?host\_ids%5B%5D=641#

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>

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Job category \*

Commands

Job template \*

Run Command - SSH Default

Bookmark

Search Query

name ^ (dev-app-eg3.procore.prod1)

Resolves to

1 hosts

Hide advanced fields

command ⓘ \*

useradd -m -c "ruben camilo" rcamilo

Description

☒ Use default description template

Timeout to kill ⓘ

Password ⓘ

\*\*\*\*\*

Private key passphrase ⓘ

\*\*\*\*\*

Sudo password ⓘ

\*\*\*\*\*

Concurrency level ⓘ

N

Time span ⓘ

N

Execution ordering ⓘ

☒ Alphabetical ☐ Randomized

Type of query ⓘ

☒ Static Query ☐ Dynamic Query

Schedule

☒ Execute now ☐ Schedule future execution ☐ Set up recurring execution

Displays the Foreman Remote Execution job results for a Run Command – SSH Default task executed against dev-app-eg3.procore.prod1. The job completed with 100% success, targeting a single host selected via a static query and executed in alphabetical order. The command to create a local user was run as the root effective user, and the results confirm successful execution on the host with no failures or errors, validating Foreman’s remote command capability and execution tracking.

Board - Edward Garrido - Pro-Core-Plus

Run remote command Foreman

Foreman - Procore-Plus Wiki

Run Command - SSH Default with inputs command="useradd -m -c "ruben ca...

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🔖

🔒 Not secure

https://10.130.24/job\_invocations/3985

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Jobs > Run Command - SSH Default with inputs command="useradd -m -c "ruben ca...

Rerun

Rerun failed

Job Task

Cancel Job

Abort Job

Overview

Preview templates

Results

100%

Success

Success 100.0%

✓ 1

✗ 0

🔄 0

✕ 0

Target hosts

Manual selection using static query

name ^ (dev-app-eg3.procore.prod1)

Execution order: alphabetical

Evaluated at: 2025-10-20 18:33:41 -0400

👤

root

Run Command - SSH Default: effective user

🖨️

1

Total hosts

User Inputs

command: useradd -m -c "ruben camilo" rcamilo

Filter ...

🔍 Search

Host	Status	Actions
dev-app-eg3.procore.prod1	🟢 success	Host detail ▾

20 ^ per page

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1 of 1

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Confirms the dev-performance-eg3.procore.prod1 system is present and managed in the Foreman Hosts inventory after remote execution activities. The host is running CentOS Stream 9 on a VMware 7.1 platform and remains selectable for administrative actions, indicating it is still online, responsive, and under centralized management following the successful remote command execution.

Board - Edward Garrido - Pro-Core-F

Run remote command Foreman

Foreman - Procore-Plus Wiki

Hosts

Not securehttps://10.130.24/hosts?search=dev-performance-eg3&page=1

FOREMAN

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Monitor

Content

Hosts

Configure

Infrastructure

Administer

Hosts

dev-performance-eg3

Select ActionExportCreate Host

1 of 1 selected

	Power	Name	Operating system	Puppet Environment	Model	Host group	Last report	Actions
<input checked="" type="checkbox"/>		dev-performance-eg3.procore.prod1	CentOS Stream 9		VMware7,1			<div>Edit</div>

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Shows the Foreman Remote Execution job results for a second Run Command – SSH Default task executed against dev-performance-eg3.procore.prod1. The job completed with 100% success, targeting a single host via a static query and running under the root effective user. The successful status confirms the command was executed correctly and that the host remains responsive and manageable through Foreman’s centralized remote execution framework.

Board - Edward Garrido - Pro-Core

Run Command - SSH Default wi

Not secure https://10.1.30.24/job\_invocations/3989

FOREMAN

Any Organization

Any Location

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Jobs > Run Command - SSH Default with inputs command="useradd -m -c "ruben ca...

RerunRerun failedJob TaskCancel JobAbort Job

OverviewPreview templates

Results

100%

Success

✓ 1

✗ 0

🔄 0

✕ 0

Target hosts

Manual selection using static query

name ^ (dev-performance-eg3.procore.prod1)

Execution order: alphabetical

Evaluated at: 2025-10-21 09:57:46 -0400

root

Run Command - SSH Default effective user

1

Total hosts

User Inputs

command: useradd -m -c "ruben camilo" rcamilo

Filter ...

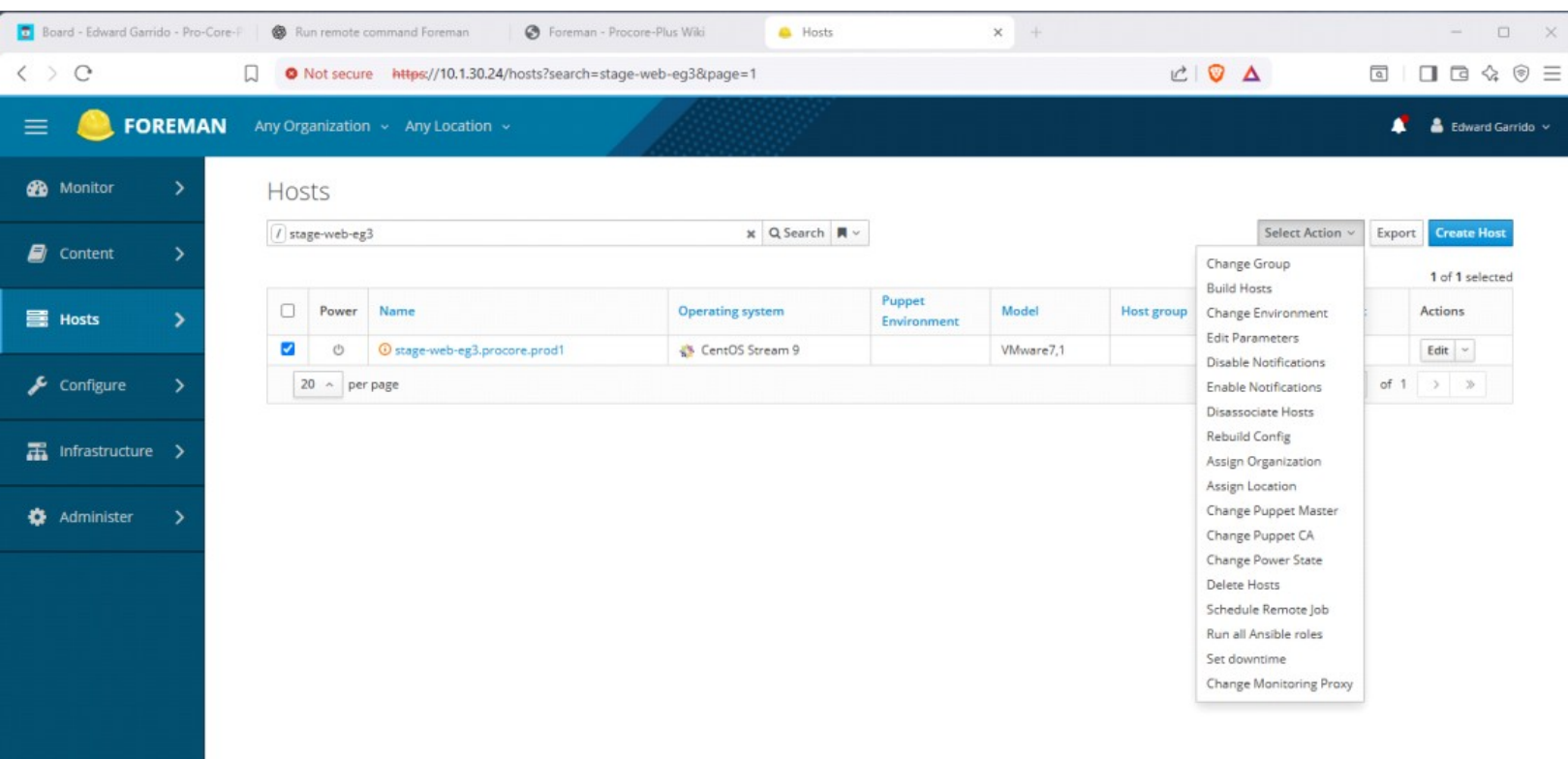
Q Search

Host	Status	Actions
dev-performance-eg3.procore.prod1	success	Host detail

20 per page

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Displays the Foreman Hosts inventory filtered to stage-web-eg3, showing stage-web-eg3.procore.prod1 managed under Foreman. The host is running CentOS Stream 9 on a VMware 7.1 platform and is actively selected, with the Select Action menu expanded. Available actions include changing groups or environments, rebuilding configuration, scheduling remote jobs, running Ansible roles, managing notifications, and performing lifecycle or power operations, confirming the host is fully integrated and available for centralized administrative control.



Shows the Foreman Remote Execution job results for a Run Command – SSH Default task executed against stage-web-eg3.procore.prod1. The job completed with 100% success, targeting a single host selected via a static query and executed under the root effective user. The successful status confirms the command ran correctly on the staging web host and verifies Foreman’s ability to perform consistent, centralized remote administration across different environment tiers.

Board - Edward Garrido - Pro-Core

Run Command - SSH Default with inputs command="useradd -m -c "ruben ca...

Not securehttps://10.1.30.24/job\_invocations/3990

FOREMAN

Any OrganizationAny Location

Edward Garrido

Monitor

Content

Hosts

Configure

Infrastructure

Administer

JobsRun Command - SSH Default with inputs command="useradd -m -c "ruben ca...

RerunRerun failedJob TaskCancel JobAbort Job

OverviewPreview templates

Results

100%  
Success

100%

Success

100%

100%

Success

Target hosts

Manual selection using static query

name ~ (stage-web-eg3.procore.prod1)

Execution order: alphabetical

Evaluated at: 2025-10-21 10:01:30 -0400

root

Run Command - SSH Default: effective user

1

Total hosts

User Inputs

command: useradd -m -c "ruben camilo" rcamilo

Filter ...

Q Search

Host	Status	Actions
stage-web-eg3.procore.prod1	success	Host detail

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# Summary

The screenshots summarize the successful use of Foreman Remote Execution to run an SSH-based administrative command on managed CentOS Stream 9 hosts. They show hosts being selected from the Foreman inventory, a remote job being configured and executed, and the results confirming 100% successful execution. The workflow demonstrates Foreman's ability to centrally target hosts, run privileged commands, and verify outcomes while maintaining consistent management across environments.