

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.

The screenshot shows the Foreman web interface with the following details:

- Header:** Board - Edward Garrido - Pro-Core-..., Run remote command Foreman, Foreman - Procore-Plus Wiki, Hosts
- Search Bar:** Not secure https://10.130.24/hosts?search=dev-app-eg3&page=1
- Left Sidebar:** Monitor, Content, **Hosts**, Configure, Infrastructure, Administer
- Top Bar:** Any Organization, Any Location, Edward Garrido
- Hosts List:** A table titled "Hosts" with one entry:

	Power	Name	Operating system	Puppet Environment	Model	Host group	Last report	Actions
<input type="checkbox"/>		dev-app-eg3.procore.prod1			VMware7.1			
- Bottom Navigation:** 20 per page, 1-1 of 1, navigation icons

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.

The screenshot shows the 'Job invocation' creation page in a web browser. The URL is https://10.130.24/job_invocations/new?host_ids%5B%5D=641#.

Job category *: Commands

Job template *: Run Command - SSH Default

Bookmark: (empty)

Search Query: name ^ (dev-app-eg3.procore.prod1)

Resolves to: 1 hosts

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

Description: (empty) Use default description template

Timeout to kill: (empty)

Password: (redacted)

Private key passphrase: **** (redacted)

Sudo password: **** (redacted)

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-P | Run remote command Foreman | Foreman - Procore-Plus Wiki | Run Command - SSH Default w... +

Not secure https://10.1.30.24/job_invocations/3985

Edward Garrido

FOREMAN Any Organization Any Location

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 1-1 of 1 << < 1 of 1 > >>

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.

The screenshot shows the Foreman web interface with the URL <https://10.1.30.24/hosts?search=dev-performance-eg3&page=1>. The page title is "Hosts". The left sidebar includes links for Monitor, Content, Hosts (selected), Configure, Infrastructure, and Administer. The main content area displays a table of hosts. The first host listed is "dev-performance-eg3.procore.prod1", which is selected (indicated by a checked checkbox). The table columns are: Power, Name, Operating system, Puppet Environment, Model, Host group, Last report, and Actions. The host details show "Power" as off, "Name" as "dev-performance-eg3.procore.prod1", "Operating system" as "CentOS Stream 9", "Puppet Environment" as "", "Model" as "VMware7.1", and "Host group" as empty. The "Actions" column contains an "Edit" button. A search bar at the top of the table shows the query "dev-performance-eg3". The bottom of the table has pagination controls for "20 per page" and "1-1 of 1".

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

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.

The screenshot displays the Foreman web interface for a job named "Run Command - SSH Default with inputs command='useradd -m -c \"ruben camilo\" rcamilo'".

Job Overview: The main summary shows a large green circle indicating 100% Success, with counts of 1 host, 0 errors, 0 warnings, and 0 skipped. The URL is https://10.1.30.24/job_invocations/3989.

Target hosts: A static query named "dev-performance-eg3.procore.prod1" was used to target the host. The execution order is alphabetical. The job was evaluated at 2025-10-21 09:57:46 -0400.

User Inputs: The command entered was "useradd -m -c "ruben camilo" rcamilo".

Host Details: A table at the bottom shows the target host "dev-performance-eg3.procore.prod1" with a status of "success" and an "Actions" dropdown menu.

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

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.

The screenshot shows the Foreman web interface with the following details:

- Header:** Board - Edward Garrido - Pro-Core-FI, Run remote command Foreman, Foreman - Procore-Plus Wiki, Hosts.
- Breadcrumbs:** Not secure https://10.1.30.24/hosts?search=stage-web-eg3&page=1
- Left Sidebar:** Monitor, Content, **Hosts**, Configure, Infrastructure, Administer.
- Main Content:** A table titled "Hosts" with one row visible:

	Power	Name	Operating system	Puppet Environment	Model	Host group
<input type="checkbox"/>		stage-web-eg3.procore.prod1	CentOS Stream 9		VMware7,1	

Search bar: / stage-web-eg3, Actions: Export, Create Host, 1 of 1 selected, Actions: Edit, of 1 > >>.

- Select Action Menu:** A dropdown menu listing various actions for the selected host:
 - Change Group
 - Build Hosts
 - Change Environment
 - Edit Parameters
 - Disable Notifications
 - Enable Notifications
 - Disassociate Hosts
 - Rebuild Config
 - Assign Organization
 - Assign Location
 - Change Puppet Master
 - Change Puppet CA
 - Change Power State
 - Delete Hosts
 - Schedule Remote Job
 - Run all Ansible roles
 - Set downtime
 - Change Monitoring Proxy

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.

The screenshot displays the Foreman interface for a job titled "Run Command - SSH Default with inputs command="useradd -m -c "ruben camilo" rcamilo"". The job has completed successfully with 100% success rate, targeting one host (stage-web-eg3.procore.prod1) under the root effective user. The interface includes a summary section with a large green circle indicating success, and a detailed results section showing the host, user, and command details. A table at the bottom provides a list of hosts with their status and actions.

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

Overview

Results: 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

User Inputs:

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

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

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.