

# PI 3.2. Criação de modelo CLI definido pelo usuário com linha única e comando de linha múltipla

## Contents

[Introduction](#)

[Prerequisites](#)

[Requirements](#)

[Componentes Utilizados](#)

[Configurar](#)

[Exemplo de comando único](#)

[Exclusão do usuário do dispositivo](#)

[Exemplo de vários comandos](#)

[Geração de chave de criptografia no switch](#)

[Troubleshoot](#)

## Introduction

Este documento descreve como criar modelos CLI definidos pelo usuário com linha única e comandos de linha múltipla.

## Prerequisites

## Requirements

A Cisco recomenda que você tenha conhecimento destes tópicos:

- Prime Infrastructure (PI)
- Recursos do modelo
- Comandos CLI

## Componentes Utilizados

As informações neste documento são baseadas nestas versões de software e hardware:

- PI 3.2.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

# Configurar

## Exemplo de comando único

### Exclusão do usuário do dispositivo

- Para criar um nome de usuário no dispositivo.

**Note:** Neste exemplo, o nome de usuário inniti será excluído.

```
BGL14-1.S.04-2900-1#show running-config | i username
username cisco privilege 15 password 0 cisco
username jkadmin privilege 15 secret 9 $9$XOCmcxGJyySQhk$v.mz/x5WKDKzpXrGb6k8to5Q5YFinNWfb3c5V5Xqmjo
username jkprime privilege 15 secret 9 $9$9IKexQCpUzUUK.$U2j/h4s8LpDFwh59SjZm18Gb/cBNQI3SqFPLPCPupA
username inniti privilege 15 password 7 151B05020D3E22
BGL14-1.S.04-2900-1#
```

- Vá para **Configuration > Features & Technologies > My Templates > CLI Templates**

Crie um modelo com vários comandos:

Example from User Guide

Adding Multi-line Commands

To enter multi-line commands in the CLI Content area, use the this syntax:

<MLTCMD>First Line of Multiline Command

Second Line of Multiline Command

.....

.....

Last Line of Multiline Command</MLTCMD>

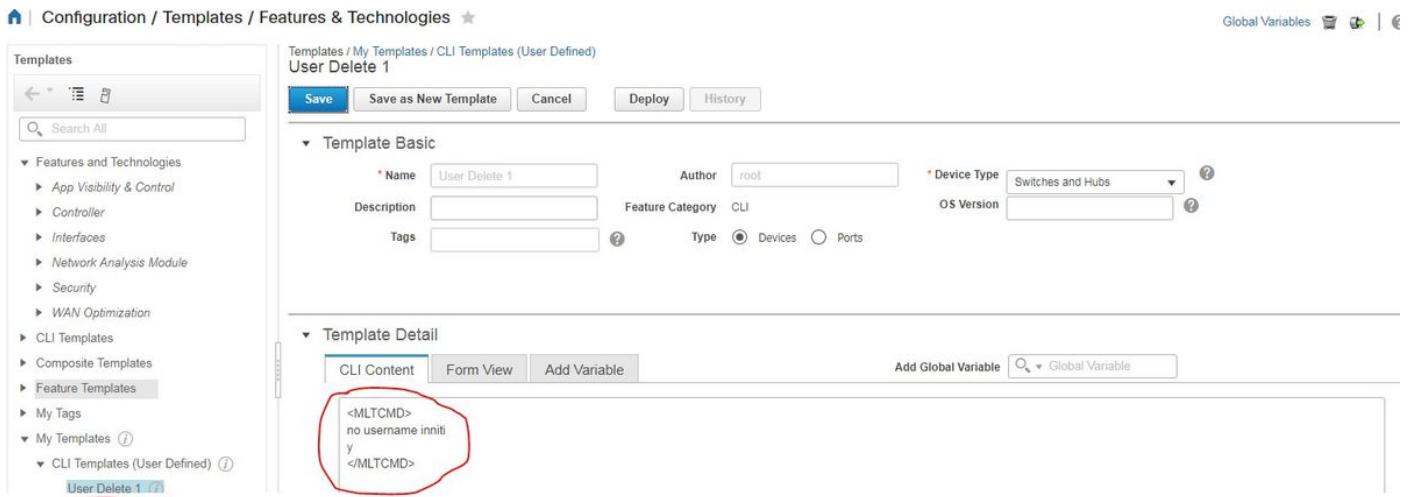
Image 2

<MLTCMD>

no username inniti

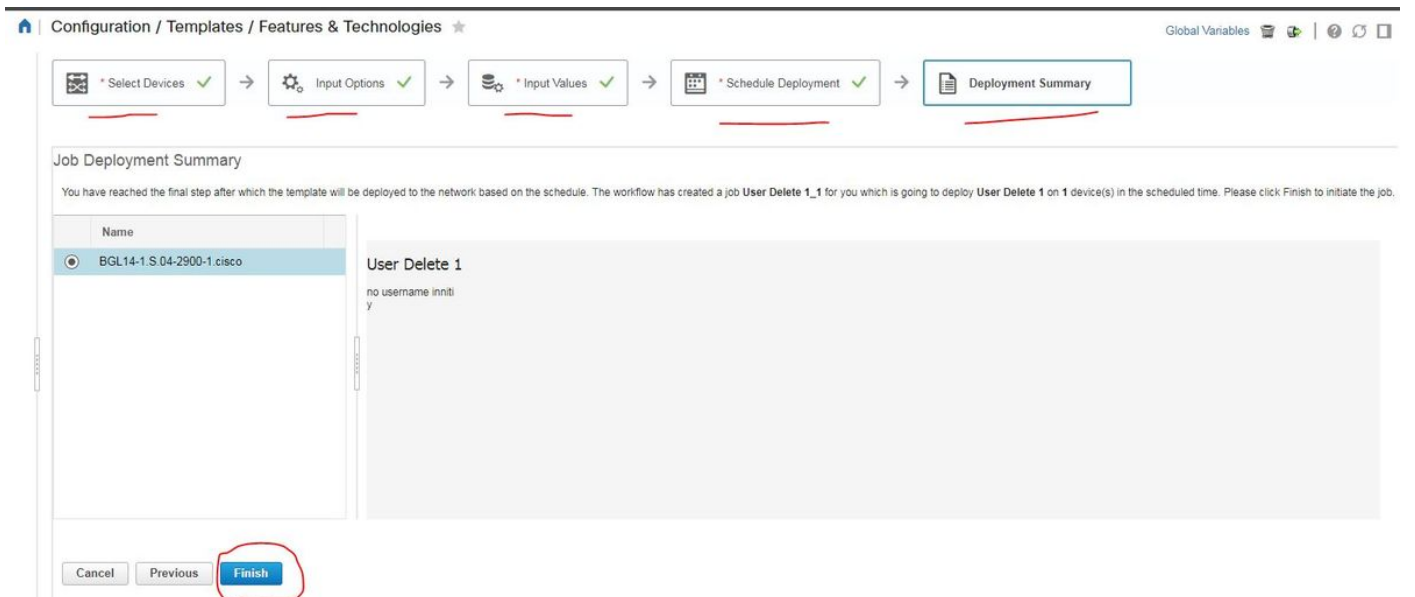
y

</MLTCMD>

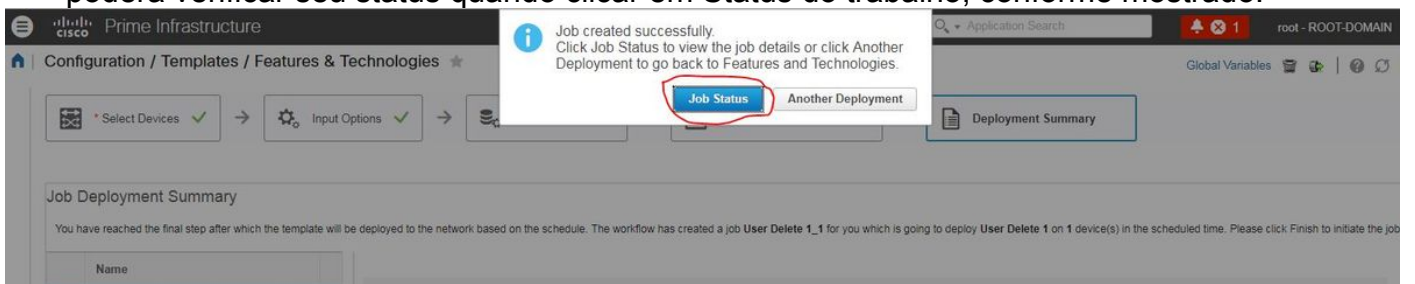


- Implante o modelo.

**Note:** Selecione o dispositivo e verifique novamente o modelo de acordo.



- Depois de implantar, um trabalho correspondente será executado em Segundo plano e você poderá verificar seu status quando clicar em Status do trabalho, conforme mostrado:



## Verificar

- Verifique o status no PI e no dispositivo:

No PI:

Administration / Dashboards / Job Dashboard / User Delete 1\_1

'Recurrence' None  
'Description' N/A

Showing latest 5 Job instances [Show All](#) Total 1

Run ID	Status	Duration(hh:mm:ss)	Start Time	Completion Time
12907003	Success	00:00:01	2017-07-25 15:05	2017-07-25 15:05

Job summary Successful deployment on 1 device(s).

Job Results for User Delete 1 Total 1

Device	Status	Transcript
10.106.68.57	Success	configlet.no username innitiy response.terminal width 0config tno username innitiy

No dispositivo:

O nome de usuário inniti foi excluído.

```
BGL14-1.S.04-2900-1#show running-config | include username
username cisco privilege 15 password 0 cisco
username jkadmin privilege 15 secret 9 $9$XOCmcxGJyySQhk$v.mz/x5WKDKzpXrGb6k8to5Q5YFinNWfb3c5V5Xqmjo
username jkprime privilege 15 secret 9 $9$9IKexQCpUzUJK.$U2j/h4s8LpDFhwh59SJZm18Gb/cBNQT3SqFPLPCPupA
BGL14-1.S.04-2900-1#
```

Vá para **Configuration > Features & Technologies > My Templates > CLI Templates**

- **Criar um modelo com comandos interativos**

Example from user guide

Adding Interactive Commands

An interactive command contains the input that must be entered following the execution of a command.

To enter an interactive command in the CLI Content area, use the following syntax:

```
CLI Command<IQ>interactive question 1<R>command response 1 <IQ>interactive question 2<R>command response 2
```

where <IQ> and <R> tag are case-sensitive and must be entered as uppercase

No exemplo:

```
#INTERACTIVE
```

```
no username inniti<IQ>confirm<R>y
```

```
#ENDS_INTERACTIVE
```

- Implante o modelo.

## Verificar

- Verifique o status no PI e no dispositivo:

Run ID	Status	Duration(hh:mm:ss)	Start Time
12907250	Success	00:00:02	2017-07-25 15:16

Job summary Successful deployment on 1 device(s).

Job Results for User Delete-3

Device	Status	Transcript
10.106.68.57	Success	configlet:#INTERACTIVEno username inniticonfirm#ENDS_INTERACTIVE

```

configlet:
#INTERACTIVE
no username inniticonfirmy
#ENDS_INTERACTIVE
response:
terminal width 0
config t
no username inniti
BGL14-1.S.04-2900-1#config t
Enter configuration commands, one per line. End with CNTL/Z.
BGL14-1.S.04-2900-1(config)#no username innitino username inniti
BGL14-1.S.04-2900-1(config)#]
    
```

**Note:** Para comandos interativos, observa-se que, em alguns exemplos, a 'Pergunta interativa' quando copiada completamente não é executada corretamente. Nesse caso, basta digitar a última palavra. Por exemplo, quando você mantém a frase completa, ela falhará. **#INTERACTIVE no username inniti <IQ>Esta operação removerá todas as configurações relacionadas ao nome de usuário com o mesmo nome. Deseja continuar? [confirm]<R>Y #ENDS\_INTERACTIVE.**

Configuration / Templates / Features & Technologies

Global Variables

Templates / My Templates / CLI Templates (User Defined)  
User Delete

Save Save as New Template Cancel Deploy History

Template Basic

Name: User Delete Author: root Device Type: Switches and Hubs  
Description: Delete User Feature Category: CLI OS Version:  
Tags: Type:  Devices  Ports

Template Detail

CLI Content Form View Add Variable Add Global Variable

```
#INTERACTIVE
no username innit<IQ>This operation will remove all username related configurations with same name.Do you want to continue? [confirm]<R>Y
#ENDS_INTERACTIVE
```

Administration / Dashboards / Job Dashboard / User Delete\_2

'Recurrence' None  
'Description' N/A

Showing latest 5 Job instances Show All

Run ID	Status	Duration(hh:mm:ss)	Start Time	Completion Time
12907429	Failure	00:04:56	2017-07-25 15:22	2017-07-25 15:27

Job summary Failed deployment on 1 device(s).

Job Results for User Delete

Device	Status	Transcript
10.106.68.57	Failed	Error : Connection timed out while executing the command Current output : This operation will remove all username related configurations with same name.Do you want to continue? [confirm] Current expects : (BGL14-1.S.(0,30) BGL14-1.S.04-2900-1) [*]-#s*z BGL14-1.S.04-2900-1#s*z This operation will remove all username related configurations with same name.Do you want to continue? [confirm]

## Exemplo de vários comandos

### Geração de chave de criptografia no switch

- Como o comando fica no dispositivo quando executado:

```
BGL14-1.S.04-2900-1(config)#crypto key generate rsa
```

```
% You already have RSA keys defined named BGL14-1.S.04-2900-1.cisco.
```

```
% Do you really want to replace them? [yes/no]: yes
```

Choose the size of the key modulus in the range of 360 to 4096 for your General Purpose Keys. Choosing a key modulus greater than 512 may take a few minutes.

```
How many bits in the modulus [512]: 512
```

```
% Generating 512 bit RSA keys, keys will be non-exportable...
```

```
[OK] (elapsed time was 1 seconds)
```

```
BGL14-1.S.04-2900-1(config)#crypto key generate rsa
% You already have RSA keys defined named BGL14-1.S.04-2900-1.cisco.
% Do you really want to replace them? [yes/no]: yes
Choose the size of the key modulus in the range of 360 to 4096 for your
  General Purpose Keys. Choosing a key modulus greater than 512 may take
  a few minutes.
```

```
How many bits in the modulus [512]: 2048
```

- Uso de vários comandos:

```
<MLTCMD>
crypto key generate rsa
yes
2048
</MLTCMD>
```

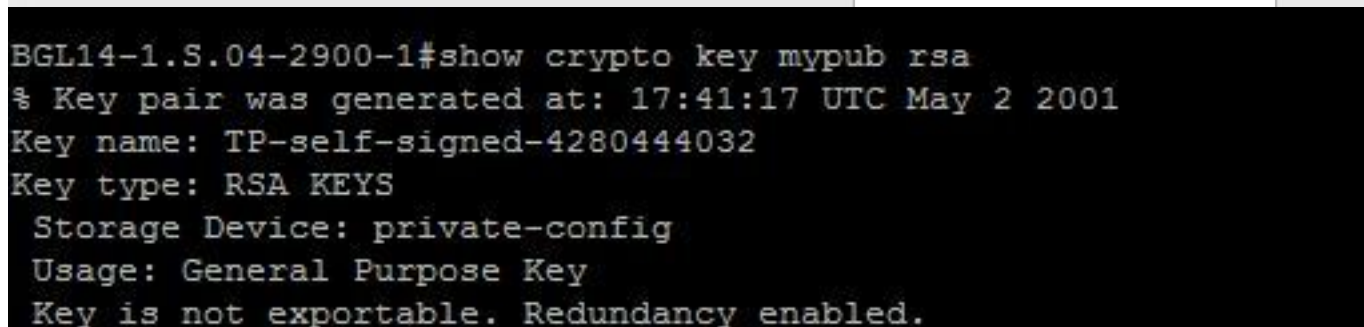


- Implante o modelo.

**Verificar**

- Status final no PI e no dispositivo:

```
configlet:
crypto key generate rsa
yes
2048
response:
terminal width 0
config t
crypto key generate rsa
yes
2048
BGL14-1.S.04-2900-1#config t
Enter configuration commands, one per line. End with CNTUZ.
BGL14-1.S.04-2900-1(config)#crypto key generate rsa
% You already have RSA keys defined named BGL14-1.S.04-2900-1.cisco.
% Do you really want to replace them? [yes/no]: yes
Choose the size of the key modulus in the range of 360 to 4096 for your
General Purpose Keys. Choosing a key modulus greater than 512 may take
a few minutes.
How many bits in the modulus [512]: 2048
% Generating 2048 bit RSA keys, keys will be non-exportable...
[OK] (elapsed time was 15 seconds)
BGL14-1.S.04-2900-1(config)#]#
```



- Uso do comando interativo:

```
#INTERACTIVE
crypto key generate rsa<IQ>yes/no<R>yes<IQ>512<R>2048
#ENDS_INTERACTIVE
```

**Save** Save as New Template Cancel Deploy History

▼ Template Basic

\* Name  Author  \* Device Type Description  Feature Category CLI OS Version Tags  Devices  Ports

▼ Template Detail

CLI Content Form View Add Variable

Add Global Variable

```
#INTERACTIVE  
crypto key generate rsa<I>yes<R>yes<I>512<R>2048  
#ENDS_INTERACTIVE
```

- Implantar modelo.

### Verificar

- Status final no PI:

Administration / Dashboards / Job Dashboard / crypto1\_1

Showing latest 5 Job instances Show All

Run ID	Status	Duration(hh:mm:ss)	Start Time
12913151	Success	00:00:21	2017-07-25 10:10:57

Job summary Successful deployment on 1 device(s).

Job Results for crypto1

Device	Status	Transcript
10.106.68.57	Success	configlet#INTERACTIVEcrypto key generate rsa

```
configlet:  
#INTERACTIVE  
crypto key generate rsayes/noyes5122048  
#ENDS_INTERACTIVE  
response:  
terminal width 0  
config t  
crypto key generate rsa  
BGL14-1.S.04-2900-1#config t  
Enter configuration commands, one per line. End with CNTL/Z.  
BGL14-1.S.04-2900-1(config)#crypto key generate rsacrypto key generate rsa  
% Generating 2048 bit RSA keys. Keys will be non-exportable...  
[OK] (elapsed time was 19 seconds)  
BGL14-1.S.04-2900-1(config)#>
```

## Troubleshoot

Atualmente, não existem informações disponíveis específicas sobre Troubleshooting para esta configuração.