

PI 3.2. Creación de la plantilla definida por el usuario CLI con el comando de la sola línea y de la línea múltiple

Contenido

[Introducción](#)

[prerrequisitos](#)

[Requisitos](#)

[Componentes Utilizados](#)

[Configurar](#)

[Ejemplo del comando único](#)

[Cancelación del usuario del dispositivo](#)

[Comandos example múltiples](#)

[Generación de crypto key en el Switch](#)

[Troubleshooting](#)

Introducción

Este documento describe cómo crear las plantillas definidas por el usuario CLI con los comandos de la sola línea y de la línea múltiple.

Prerrequisitos

Requisitos

Cisco recomienda que tenga conocimiento sobre estos temas:

- Infraestructura primera (PI)
- Características de la plantilla
- Comandos CLI

Componentes Utilizados

La información que contiene este documento se basa en las siguientes versiones de software y hardware.

- PI 3.2.

La información que contiene este documento se creó a partir de los dispositivos en un ambiente de laboratorio específico. Todos los dispositivos que se utilizan en este documento se pusieron en funcionamiento con una configuración verificada (predeterminada). Si la red está funcionando, asegúrese de haber comprendido el impacto que puede tener cualquier comando.

Configurar

Ejemplo del comando único

Cancelación del usuario del dispositivo

- Para crear un Nombre de usuario en el dispositivo.

Nota: En este ejemplo, el inniti del nombre de usuario será borrado.

```
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$9IKexQCpUzUJK.$U2j/h4s8LpDFhwh59SJZm18Gb/cBNQT3SqFPLPCPupA
username inniti privilege 15 password 7 151B05020D3E22
BGL14-1.S.04-2900-1#
```

- Van a la configuración > a las características y a las Tecnologías > mis plantillas > las plantillas CLI

Cree una plantilla con el multi-comando:

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>

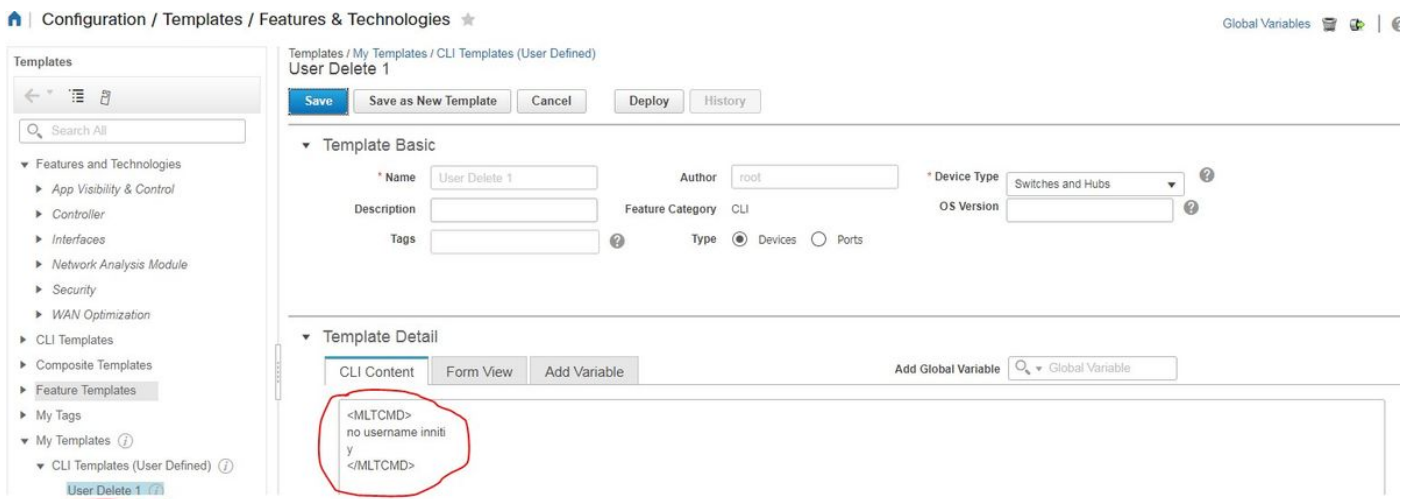
Image 2

<MLTCMD>

no username inniti

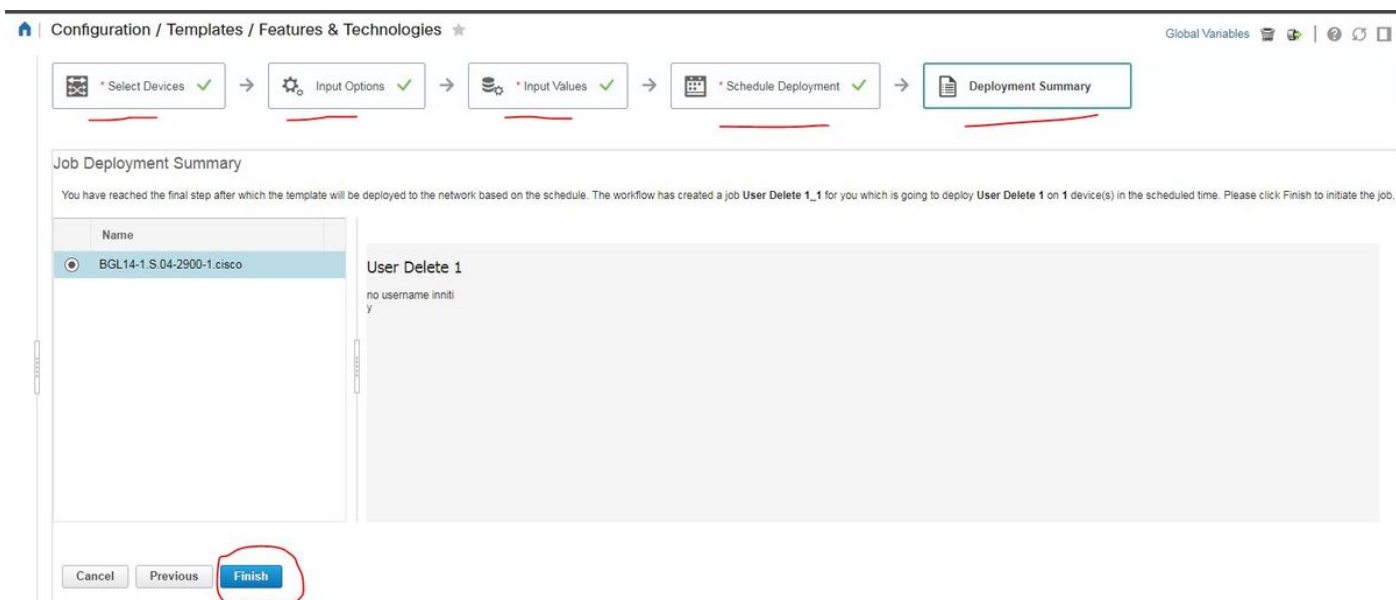
Y

</MLTCMD>

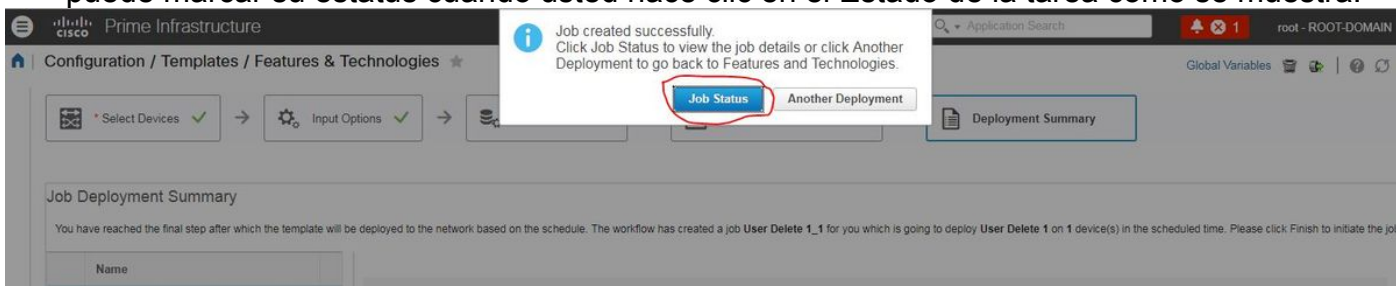


- Despliegue la plantilla.

Nota: Seleccione el dispositivo y vuelva a inspeccionar la plantilla por consiguiente.



- Una vez que usted despliega, un trabajo que corresponde se ejecutará en el fondo y usted puede marcar su estatus cuando usted hace clic en el Estado de la tarea como se muestra:



Verificación

- Marque el estatus en el PI así como en el dispositivo:

En el 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 |

En el dispositivo:

Se borra el inniti del nombre de usuario.

```
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#
```

Van a la configuración > a las características y a las Tecnologías > mis plantillas > las plantillas CLI

- Cree una plantilla con los comandos interactivos

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

En el ejemplo:

```
#INTERACTIVE
no username inniti<IQ>confirm<R>y
#ENDS_INTERACTIVE
```

- Despliegue la plantilla.

Verificación

- Marque el estatus en el PI así como el 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_INTERACTIV |

```

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)#]
    
```

Nota: Para los comandos interactivos, se observa que en pocos ejemplos “pregunta interactiva” cuando está copiado totalmente no se ejecuta correctamente. En tal caso, usted apenas necesita teclear la palabra más reciente. Por ejemplo, cuando usted guarda la frase completa fallará. **#INTERACTIVE** ninguna operación de los **<IQ>**This del inniti del nombre de usuario quitará todas las configuraciones relacionadas del nombre de usuario con el mismo nombre. ¿Usted quiere 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 Global Variable

```
#INTERACTIVE
no username innt: <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 Total 1

| 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] |

Comandos ejemplo múltiples

Generación de crypto key en el Switch

- Cómo el comando mira en el dispositivo cuando se ejecutó:

```
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 los Multi-comandos:

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



- Despliegue la plantilla.

Verificación

- Estado final en el PI y en el dispositivo:

| Run ID | Status | Duration(hh:mm:ss) | Start Time |
|----------|---------|--------------------|------------------|
| 12912919 | Success | 00:00:16 | 2017-07-25 15:42 |

Job summary: Successful deployment on 1 device(s).

Job Results for crypto

| Device | Status | Transcript |
|--------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 10.106.68.57 | Success | 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 CNTL-Z. 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)#> |

```
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 CNTL-Z.
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)#>
```

```
BGL14-1.S.04-2900-1#show crypto key mypub rsa
% Key pair was generated at: 17:41:17 UTC May 2 2001
Key name: TP-self-signed-4280444032
Key type: RSA KEYS
Storage Device: private-config
Usage: General Purpose Key
Key is not exportable. Redundancy enabled.
```

- Uso del comando interactivo:

```
#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 OS Version Tags Devices Ports

▼ Template Detail

[CLI Content](#) [Form View](#) [Add Variable](#)

Add Global Variable

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

- Despliegue la plantilla.

Verificación

- Estado final en el 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)#>
```

Troubleshooting

Actualmente, no hay información específica de troubleshooting disponible para esta configuración.