PI 3.2. Création d'un modèle d'interface de ligne de commande défini par l'utilisateur à l'aide de la commande Single Line et Multiple Line

Contenu

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Introduction

Ce document décrit comment créer des modèles CLI définis par l'utilisateur avec des commandes de ligne unique et de ligne multiple.

Conditions préalables

Conditions requises

Cisco vous recommande de prendre connaissance des rubriques suivantes :

- Prime Infrastructure (PI)
- Fonctionnalités du modèle
- Commandes CLI

Components Used

Les informations contenues dans ce document sont basées sur les versions de matériel et de logiciel suivantes :

• 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.

Configuration

Exemple de commande unique

Suppression de l'utilisateur du périphérique

• Pour créer un nom d'utilisateur dans le périphérique.

Note: Dans cet exemple, le nom d'utilisateur inniti sera supprimé.

```
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#
```

Accédez à Configuration > Features & Technologies > My Templates > CLI Templates
 Créez un modèle avec plusieurs commandes :

```
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>
```

Templates	Templates / My Templates / User Delete 1	CLI Templates (User Defined)					
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▶ Interfaces	Tags		O Туре	Devices Ports			
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• Déployez le modèle.

Note: Sélectionnez le périphérique et vérifiez à nouveau le modèle en conséquence.

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Select Devices ✓ →	✿ Input Options ✓ →	So * Input Values ✓ →	*Schedule Deployment 🗸	→ Deployment Summary	
ob Deployment Summary	e template will be denieved to the netw	unik hasari on the scherijile. The workflow	has created a job liser Delete 1.1 for you which	is oning to dealey. User Delate 1 on 1 device(s) in	the exhertulart time. Please click Finish to init
Name					
BGL14-1.S.04-2900-1.cisco	User Delete 1				
	no username inniti y				

• Une fois le déploiement effectué, une tâche qui correspond s'exécute en arrière-plan et vous pouvez vérifier son état lorsque vous cliquez sur Statut de la tâche comme indiqué :



Vérification

Vérifiez l'état dans PI et dans Device :

Sur PI:

Administration / Dashboa		000					
Description' N/A Showing latest 5 Job instances	s Show All					Total 1 💭	안 휴 •
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Device	Statu	is 🔺 Transcrip	t			0	
10.106.68.57	(i) Succ	ess configlet.n	o username innitiy response:terminal width 0config	tno username innitiy			

Sur le périphérique :

Le nom d'utilisateur inniti est supprimé.

```
BGL14-1.5.04-2900-1#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
BGL14-1.5.04-2900-1#
```

Accédez à Configuration > Features & Technologies > My Templates > CLI Templates

Créer un modèle avec des commandes interactives

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 $\ensuremath{\mathsf{Dans}}$ l'exemple :

#INTERACTIVE

no username inniti<IQ>confirm<R>y

#ENDS_INTERACTIVE

n | Configuration / Templates / Features & Technologies 🔺

emplates	User Delete-3
€ * `≣ 8	Save Save as New Template Cancel Deploy History
Q Search All Features and Technologies App Visibility & Control Controller Interfaces Network Analysis Module Security	
 WAN Optimization CLI Templates Composite Templates Feature Templates My Tags My Templates () CLI Templates (User Defined) () User Delete 1 () User Delete () User Delete () 	

Global Variables

• Déployez le modèle.

Vérification

• Vérifiez l'état dans PI ainsi que sur le périphérique :

rine In	frastructu	ire					O - Application Search		⊗ 1	ro	
Administration /	Dashboard	ds / Job Da	shboard	/ User Delete-3_1	*						
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wing latest 5 Job	instances	Show All								То	
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Run ID	m ID 🔻 Status Duration(hh:mm:ss)			Duration(hh:mm:ss)		Start Time	configlet:				
12907250 Success 00:00:02 Job summary Successful deployment on 1 device(s). Job Results for User Delete-3				00:00:02		2017-07-25 15:16	#INTERACTIVE no username inniticonfirmy #ENDS_INTERACTIVE response: terminal width 0 config t no username inniti				
Device			Status	*	Transcript		BGL14-1.S.04-2900-1#config t Enter configuration commands, one per	line. End wit	h CNTL/Z		
10.106.68.57		٢	Success		configlet.#INTERACTI	VEno username inniticonfirmy#ENDS_INTERACTN	BGL14-1.S.04-2900-1(config)#I)>	ame inhitino	username	inniti	

Note: Pour les commandes Interactive, il est observé que dans quelques exemples 'Interactive Question', une fois copié complètement, ne fonctionne pas correctement. Dans un tel cas, il suffit de taper le dernier mot. Par exemple, si vous conservez la phrase complète, elle échouera. #INTERACTIVE no username inniti <IQ>Cette opération supprimera toutes les configurations associées au nom d'utilisateur portant le même nom. Voulez-vous continuer ? [confirmez]<R>Y #ENDS_INTERACTIVE.

Templates	Template User D	as / My Templates Delete	s / CLI Templates (U	Iser Defined)											
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Q Search All	• Te	emplate Bas	ic											-	
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Exemple de commandes multiples

Génération de clés de chiffrement sur le commutateur

• Mode d'affichage de la commande sur le périphérique lors de l'exécution :

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
<pre>% You arready have KSA keys defined named BGL14-1.5.04-2900-1.Clsco.</pre> % Do you really want to replace them? [yes/pol: yes
Choose the size of the key modulus in the range of 360 to 4096 for your
General Purpose Kevs. Choosing a key modulus greater than 512 may take
a few minutes.

How many bits in the modulus [512]: 2048

• Utilisation de plusieurs commandes :

<mltcmd> crypto key</mltcmd>	generate rsa					
yes						
<u>2048</u>						
Templates / Wy Templates Crypto	(CLI Templates (User Defined)					
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Déployez le modèle.

Vérification

- État final dans PI et sur le périphérique : "cisco" Prime Infrastructure ROOT-DOMAIN 🛱 configlet: crypto key generate rsa Administration / Dashboards / Job Dashboard / crypto_1 * yes 2048 response: terminal width 0 000 urrence' None config t crypto key generate rsa cription' N/A ves 2048 BGI.14.1 S.04-2900-1#config t Enter configuration commands, one per line. End with CNTUZ. BGI.14.1 S.04-2900-1(config#crypto key generate rsa % You aready have RSA keys defined named BGI.14.1 S.04-2900-1.cisco. % Do you readly 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)#])> OB Q. owing latest 5 Job instances Show All • • ▼ Status Run ID 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 Total 1 🖻 Device Status Transcript 10.106.68.57 (i) Success configlet:crypto key generate rsayes2048 response:terminal width 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.
 - Utilisation de la commande interactive :

#INTERACTIVE

crypto key generate rsa<IQ>yes/no<R>yes<IQ>512<R>2048

Type Switches and Hubs rsion
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riable Global Variable

Vérification

• État final dans PI :

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Administration / Dashboards / Job Dashboard / crypto1_1 * 'Recurrence' None 'Description' N/A							#INTERACTIVE crypto key generate rsayes/noyes5122048 #ENDS_INTERACTIVE response: terminal width 0 config t count key generate rsa	
Showing latest 5 Job insta	ances	Show All					BGL14-1.5.04-2900-t#config t Enter configuration commands, one per line. End with CNTUZ BGL14-1.5.04-2900-1(configHerypto key generate rsacrypto key generate rsacrypto key generate rsa % Generating 2048 bit RSA keys, keys will be non-exportable [OK] (elapsed time was 19 seconds)	1 Ø
Run ID	*	Status	- 1	Ouration(hh:mm:ss)		Start Time	BGL14-1.S.04-2900-1(config)#]]>	
 ▼ 12913151 Job summary Successful Job Results for crypt 	ul deploym	Success	(s).	10:00:21		2017-07-25 1		Tot
Device			Status		Transcript			
10.106.68.57		<i>(</i>)	Success		configlet:#INTERACT	VEcrypto key ger		

Dépannage

Il n'existe actuellement aucune information de dépannage spécifique pour cette configuration.