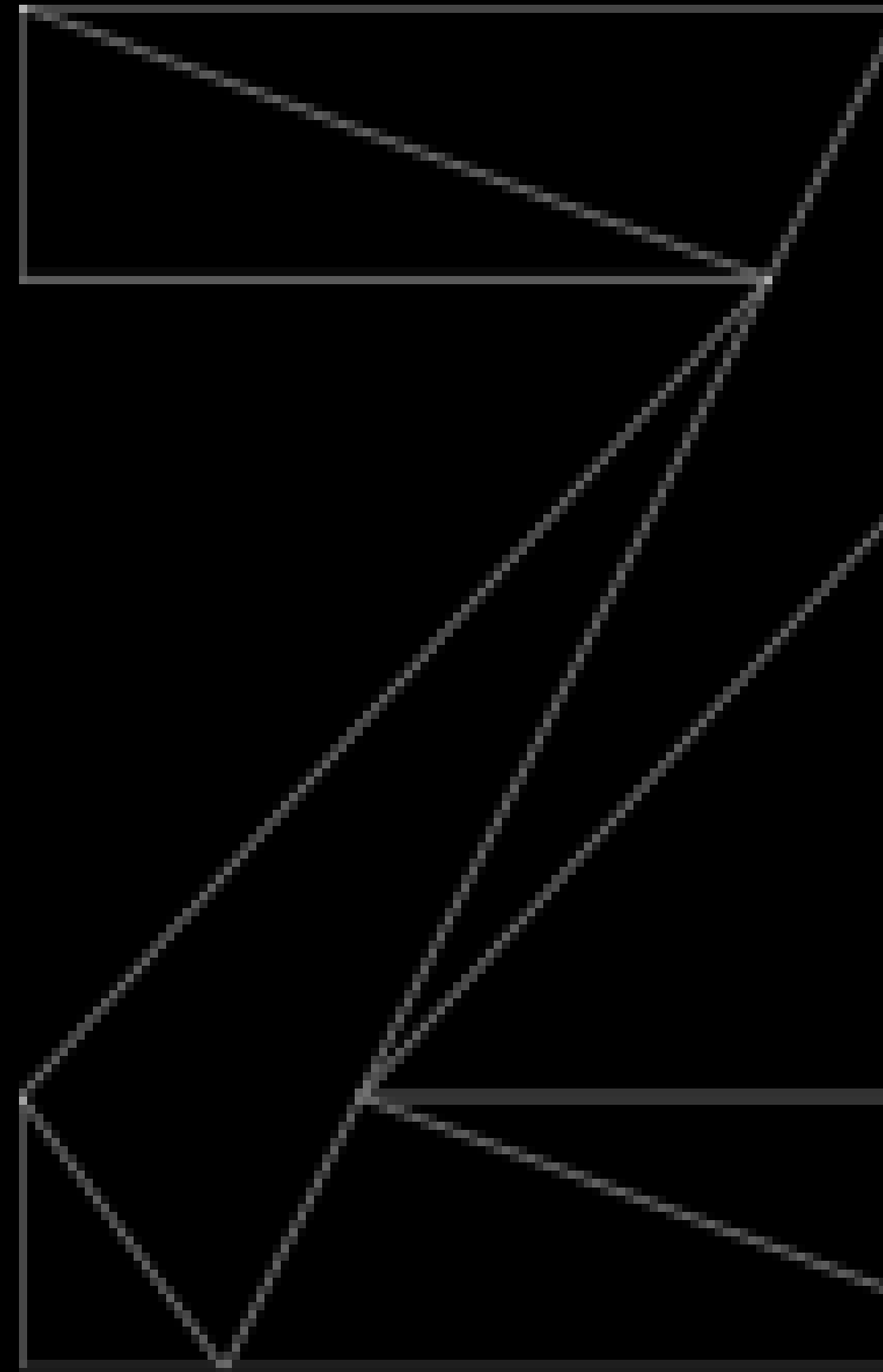

Multiple Installation

IBM Z



Introduction to multiple installation

Welcome x Network Configu... x

Network Configuration Assistant (Home) > TCP/IP Profile > Configuration Files > Choose Configuration

Choose a configuration for stack PLEX1.LPAR2.STACK2

List of Alternate Configuration files for stack PLEX1.LPAR2.STACK2

Actions ▾

	Configuration	Configuration Type	Status	Last Install	Co File
<input type="radio"/>	Base Configuration	TCP/IP Profile	Installed	2019-01-18 12:20:36	'US
<input type="radio"/>	Local Backup	TCP/IP Profile	Never installed	Never	
<input type="radio"/>	CPC2 Backup	TCP/IP Profile	Never installed	Never	
<input type="radio"/>	DR Primary	TCP/IP Profile	Never installed	Never	
<input type="radio"/>	DR Alternate	TCP/IP Profile	Never installed	Never	

Total: 5 Selected: 0

Close Save

NCA can configure and manage multiple configuration files. There are multiple functions where several configuration files can need installation at once including:

- Install all files for a sysplex (TCP/IP) or group (all other technologies)
- Install all alternate configurations for a stack (in TCP/IP only, example screen shot to the left)
- Some of the policy technology installs at the image level result in multiple files
 - For example, IPSEC image install if there are dynamic rules will yield an IKED configuration and a stack configuration



Without multiple installation function

1

2

3

4

Network Configuration Assistant (Home) > TCP/IP Profile > Configuration Files > Choose Configuration > Install

Install File for PLEX1.LPAR2.STACK2 for Alternate Configuration DR Primary

* Install file name:

Warning: If this Alternate Configuration is being installed on the same file system as the Base Configuration, avoid overwriting configurations.

Select installation method
☒ Save to disk
☐ FTP

FTP information
* Host name:
* Port number:
* User ID:
* Password:
☐ Save password
☐ Use SSL
☐ Create the directories if they do not exist
Data transfer mode
☒ Default ☐ Passive ☐ Active
Comment for the configuration file prologue (optional)

Selecting the GO button will do an automatic save of the backing store before the install.

Information

The save to the file system was successful.

Network Configuration Assistant (Home) > TCP/IP Profile > Configuration Files > Choose Configuration

Choose a configuration for stack PLEX1.LPAR2.STACK2

List of Alternate Configuration files for stack PLEX1.LPAR2.STACK2

Actions

Show Configuration File...

Configure Install...

Install...

Install Multiple

History

	Configuration Type	Status
<input type="radio"/> CPC2 Backup	TCP/IP Profile	Not installed
<input checked="" type="radio"/> DR Primary	TCP/IP Profile	Not installed
<input type="radio"/> DR Alternate	TCP/IP Profile	Not installed

Total: 5 Selected: 1

Each file install is a multiple-click process that can get tedious if you have to install multiple files

Now do it again for another file!

New multiple installation function

Welcome x Network Configu... x

Network Configuration Assistant (Home) > TCP/IP Profile > Configuration Files

Choose a configuration for stack PLEX1.LPAR2.STACK2

List of Alternate Configuration files for stack PLEX1.LPAR2.STACK2

Actions

Show Configuration File...
Configure Install...
Install...
Install Multiple
History

☐ CPC2 Backup

☐ DR Primary

☐ DR Alternate

Configuration Type

TCP/IP Profile

TCP/IP Profile

TCP/IP Profile

TCP/IP Profile

TCP/IP Profile

Welcome x Network Configu... x

Network Configuration Assistant (Home) > TCP/IP Profile > Configuration Files > Choose Configuration > Multiple Install

Install Multiple Stacks

Install Multiple Stacks

Actions

☐ System Image

☒ PLEX1.LPAR2.STACK2

☐ PLEX1.LPAR2.STACK2

☐ PLEX1.LPAR2.STACK2

☐ PLEX1.LPAR2.STACK2

☐ PLEX1.LPAR2.STACK2

Configuration Type

TCP/IP Profile

TCP/IP Profile

TCP/IP Profile

TCP/IP Profile

TCP/IP Profile

Configuration

Base Configuration

Local Backup

CPC2 Backup

DR Primary

DR Alternate

Status

Installed

Never installed

Never installed

Installed

Never installed

Last Install

2019-01-18 12:20:36

Never

Never

2019-01-21 15:28:35

Never

Configured File Name

'USER1.TCPPARMS(STACK2)'

'user1.tcparms(stack22)'

'USER1.TCPPARMS(stack21)'

'user1.tcparms(stack2a)'

Welcome x Network Configu... x

Network Configuration Assistant (Home) > TCP/IP Profile > Configuration Files > Choose Configuration > Multiple Install

Install Multiple Stacks

Show Configuration File...
Configure Install...
Install...
History

☒ Select All

☐ Deselect All

☐ PLEX1.LPAR2.STACK2

☒ PLEX1.LPAR2.STACK2

☒ PLEX1.LPAR2.STACK2

Configuration Typ

TCP/IP Profile

TCP/IP Profile

TCP/IP Profile

Info

All selected configurations were successfully installed with no messages or warnings.
For details on each install, view the history log.

OK

Show History

Multiple installation requirements

NCA Multiple Install support was delivered on V2R3 in **APAR PH04130**.

- To be eligible for multiple install a file must:
 - Represent a complete, installable configuration
 - Have installation information, either:
 - Remembered from a previous install of the file, or
 - Configured for use in multiple install
- In order to meet the last requirement above, a new “Configure Install” option was added to all install screens where multiple install is also an option.

New Configure Install panel

Welcome x Network Configu... x

Network Configuration Assistant (Home) > TCP/IP Profile > Configuration Files > Choose Configuration

Choose a configuration for stack PLEX1.LPAR2.STACK2

List of Alternate Configuration files for stack PLEX1.LPAR2.STACK2

Actions

- Show Configuration File...
- Configure Install...
- Install...
- Install Multiple
- History

	Configuration Type	Status	Last Install	Configured File Name	Configured Host Name	Configured Installation Method
<input type="radio"/>	TCP/IP Profile	Installed	2019-01-21 15:54:44	USER1.TCPPA		Save to disk
<input type="radio"/>	TCP/IP Profile	Installed	2019-01-21 15:54:44	user1.tcparms		Save to disk
<input checked="" type="radio"/>	TCP/IP Profile	Never installed	Never			Save to disk
<input type="radio"/>	TCP/IP Profile	Installed	2019-01-21 15:54:45	USER1.TCPPA		Save to disk
<input type="radio"/>	TCP/IP Profile	Installed	2019-01-21 15:54:45	user1.tcparms		Save to disk

Total: 5 Selected: 1

Close Save

Does not have complete installation information (no file name) so this file is not eligible for multiple install

Welcome x Network Configu... x

Network Configuration Assistant (Home) > TCP/IP Profile > Configuration Files > Choose Configuration > Configure Installation

Configure Install for PLEX1.LPAR2.STACK2 for Alternate Configuration CPC2 Backup

* Install file name:

Warning: If this Alternate Configuration is being installed on the same file system as the Base Configuration or other Alternate Configurations, avoid overwriting configurations.

Select installation method

☒ Save to disk

☐ FTP

FTP information

* Host name:

* Port number: 21

* User ID:

Password:

☐ Use SSL

☐ Create the directories if they do not exist

Data transfer mode

☒ Default ☐ Passive ☐ Active

Comment for the configuration file prologue (optional)

OK Close

In this panel you can put in all the installation information for the file, and when you click OK it is saved and can be used in a multiple install. You only have to do this once for a configuration file and then the information is available for future multiple installs

Non-TCP/IP Perspectives

Multiple Install and Configure Install are supported in every NCA perspective on every install screen where more than one configuration file can be in a list of configuration files.

Network Configu...

Network Configuration Assistant (Home) > IPsec > Configuration Files

List of Configuration Files for System Image D400 In Group CUSTPLEX

List of Configuration Files for System Image D400 In Group CUSTPLEX

Stack	Configuration Type	Status	Last Install	Configured File Name	Configured Host Name	Configured Installation Method
--	IKED - Configuration	Needs install	Never	/etc/cfgasst/v2r2/CU		Save to disk
TCPIP	IP Security Policy	Never installed	Never	/etc/cfgasst/v2r2/CU		Save to disk

Show Configuration File...

Install...

Configure Install...

Install Multiple

Configuration Summary...

History

Network Configu...

Network Configuration Assistant (Home) > AT-TLS > Configuration Files

List of Configuration Files for All System Images In Group PLEX1

List of Configuration Files for All System Images In Group PLEX1

System Image	Configuration Type	Status	Last Install	Configured File Name	Configured Host Name	Configured Installation Method
LPAR1	STACK1 - AT-TLS Policy	Needs install	2017-04-19 21:49:45	/tmp/a		Save to disk
LPAR1	TCPCS1A - AT-TLS Policy	Never installed	Never	/etc/cfgasst/v2r2/PL		Save to disk
LPAR2	STACK2 - AT-TLS Policy	Never installed	Never	/etc/cfgasst/v2r2/PL		Save to disk
LPAR3	STACK3 - AT-TLS Policy	Never installed	Never	/etc/cfgasst/v2r2/PL		Save to disk
LPAR4		Never installed	Never	/etc/cfgasst/v2r2/PL		Save to disk

Show Configuration File...

Install...

Configure Install...

Install Multiple

Configuration Summary...

History

IPSEC install files for an image... note different file types

AT-TLS install all files for a group – policy being installed for multiple stacks



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