IBM eServer™

IBM Configuration Assistant for z/OS® Communications Server: Policy Configuration Overview

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Where do you define your z/OS CS policies?

- **GUIs**

  - IBM Configuration Assistant for z/OS Communications Server
    - This GUI will generate the Policy Agent configuration flat-files for AT-TLS, IDS , IPSec, and QoS policies

- **Configuration flat files - created with a text editor (such as ISPF/PDF)**

  - Non-complex or complex IDS policies
  - Non-complex QoS policies (only 1 condition)
  - IPSec policies
  - AT-TLS policies

- **LDAP Server Central policy definitions for many hosts.**

  - Non-complex or complex QoS policies
    - Can be created using the older zQoS Manager GUI
  - Non-complex or complex IDS policies
    - Can be created using the older zIDS Manager GUI

- **Note:**
  - For details on new IDS policies, see z/OS Communications Server IP Configuration Reference Version 1 Release 8

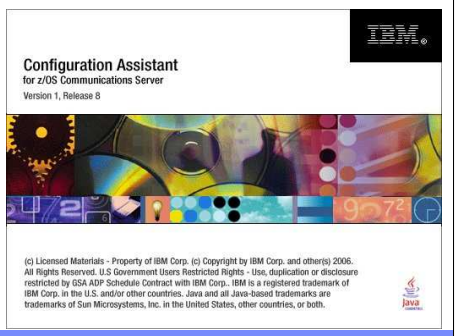
Policy configuration GUI support for CS z/OS

- **z/OS V1R7 introduced the z/OS Network Security Configuration Assistant (NSCA)**
  - IPSec configuration
    - IP filters
    - Static and dynamic VPNs
  - AT-TLS configuration

- **At a z/OS V1R7 level, multiple separate configuration GUIs were provided by CS z/OS:**
  - z/IDS Manager - IDS policies (only for storing in an LDAP server)
    - There was no alternative to an LDAP server for IDS policies
  - z/QoS Manager - QoS policies (also only for storing in an LDAP server)
    - QoS policies could also be created manually using a text editor in a flat text file
  - z/OS Network Security Configuration Assistant

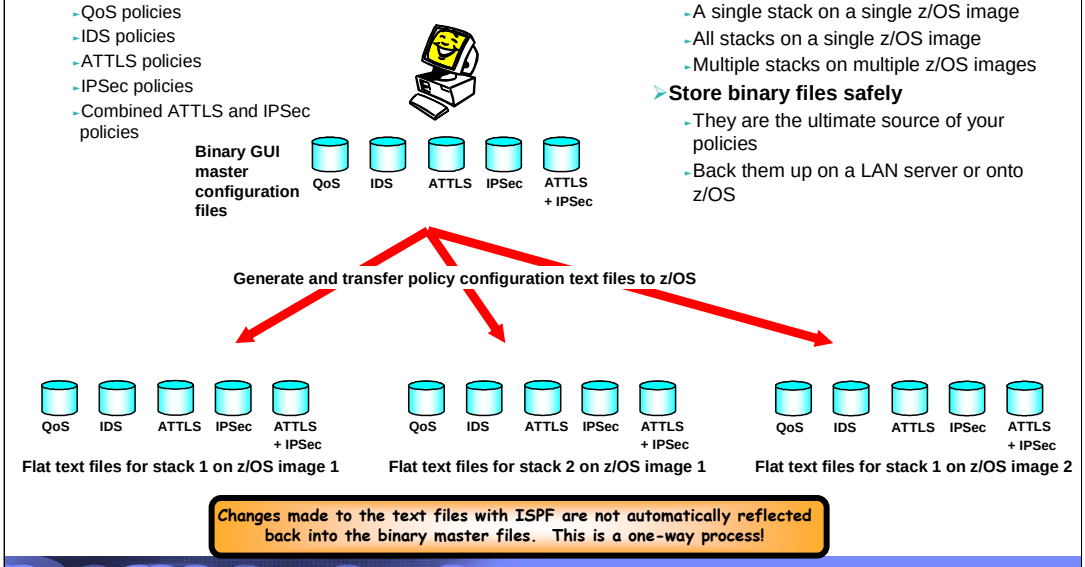
- **In z/OS V1R8, all the policy GUIs are consolidated into a single GUI: IBM Configuration Assistant for z/OS Communications Server**
  - AT-TLS
  - IDS
  - IPSec
  - QoS

- **z/OS V1R8 adds new functions in the following areas:**
  - IDS policies are now supported in a flat file configuration
  - IPSec adds IPv6 support, AES encryption, and NAPT
  - AT-TLS can be configured for IPv6



Configuration file overview

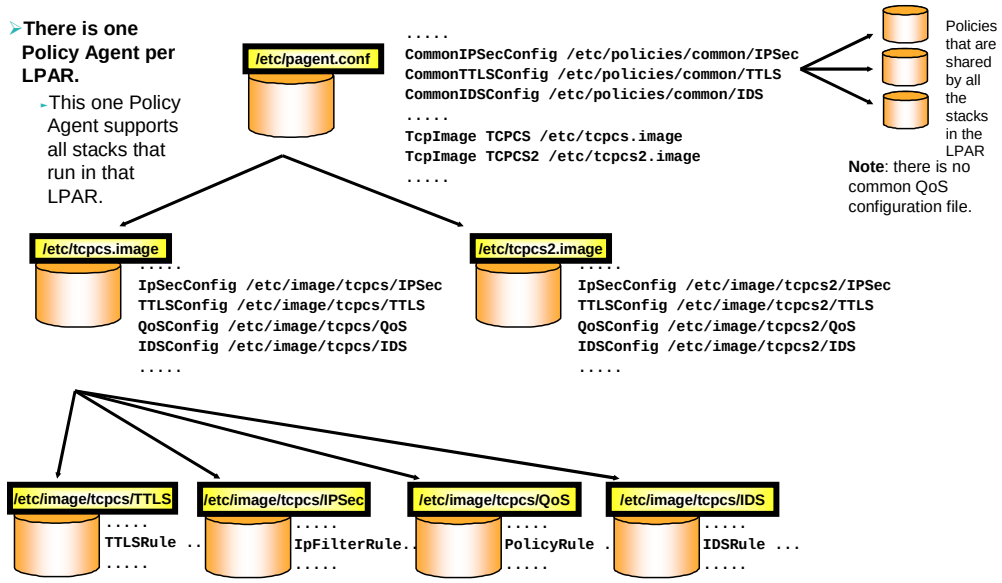
- **The GUI works with five perspectives:**
  - QoS policies
  - IDS policies
  - ATTLS policies
  - IPSec policies
  - Combined ATTLS and IPSec policies
- **Each binary configuration file may contain policies for a specific perspective for:**
  - A single stack on a single z/OS image
  - All stacks on a single z/OS image
  - Multiple stacks on multiple z/OS images
- **Store binary files safely**
  - They are the ultimate source of your policies
  - Back them up on a LAN server or onto z/OS



Changes made to the text files with ISPF are not automatically reflected back into the binary master files. This is a one-way process!

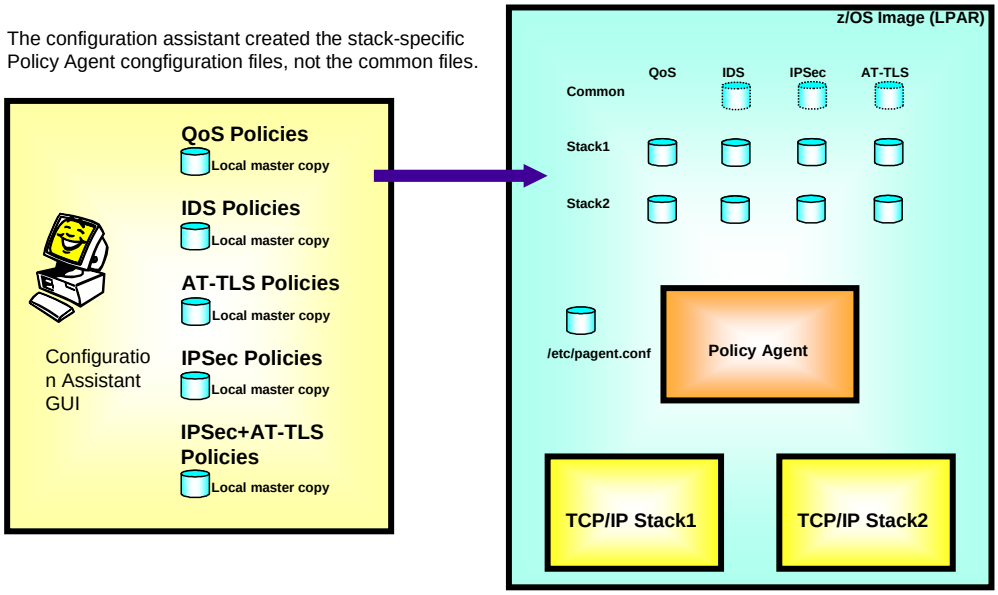
Policy agent configuration file structure overview in z/OS V1R8

- **There is one Policy Agent per LPAR.**
  - This one Policy Agent supports all stacks that run in that LPAR.



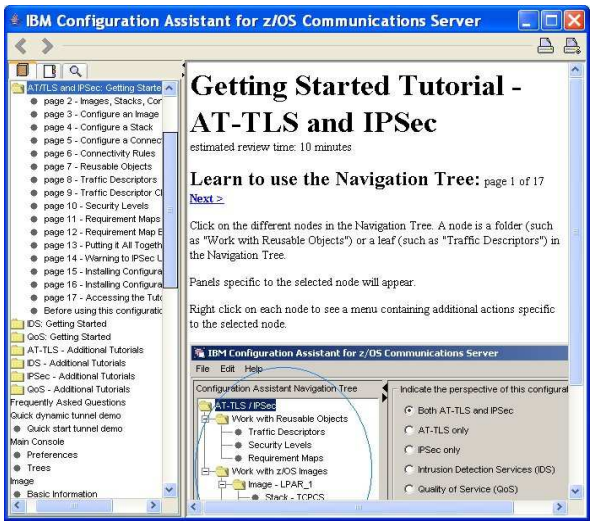
Common versus stack-specific configuration files

The configuration assistant created the stack-specific Policy Agent congfiguration files, not the common files.

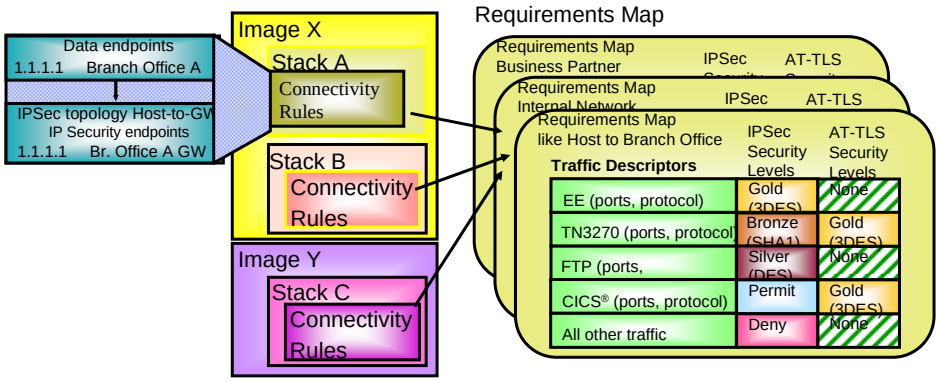


Built-in tutorials

- **Picture based tutorials built-in**
- **Separate Getting Started Tutorials for each technology**



Configuration data model



- **A system image contains one or more stacks**
  - Multiple system images may be defined
- **A stack contains a set of connectivity rules**
  - Data endpoint information
  - Security endpoint information
- **Reusable objects (can be shared across images and stacks, but not across perspectives)**
  - Requirements Map, Security Level, Traffic Descriptor

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