



How to Efficiently Organize & Update
your NP-View Projects Over Time

Network Perception

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NP-View Training Webinar #3

June 4, 2020

- **Reminder on NP-View Resources:** [5min]
 - Portal website and release cycle
 - Knowledge Base, Tech Support, and File Vault
 - Spring 2020 release highlights

- **NP-View Training:** [20min]
 - NP-View Workflow
 - File System Organization
 - How NP-View Projects Work
 - Transferring Information Among Projects
 - Demonstration
 - Upcoming Feature

- **Q&A**



Reminder on NP-View Resources

- **Resources:**

- Portal: portal.network-perception.com
- Knowledge Base: kb.network-perception.com
- Support: support@network-perception.com

- **Solutions:**

NP-View Java	Legacy user interface (Stable)	Offline desktop application for snapshot audit
NP-View HTML	New user interface (Beta)	
NP-Live	New license format	On-premise server for continuous config monitoring

- **Releases:**

- Quarterly stable release cycle (roadmap)
- Continuous patch releases (support requests)

- **Config Sanitizer and File Vault:**



Config Sanitizer Automatically redact sensitive information

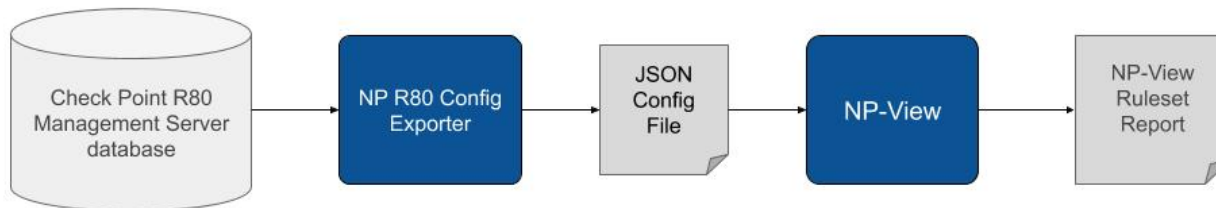
File Vault Secure File Upload and Encryption

- Released Versions:

- NP-View: 6.1.4
- NP-Live: 1.7.3

- Highlights:

- **New Parsers and Connectors** – New connector and utility script to easily import Check Point R80 and Panorama rulesets.



Device	Type	Commands to acquire configuration
Alcatel Lucent	Omniswitch	save [filename]
Amazon Web Service	EC2	aws ec2 describe-instances aws ec2 describe-security-groups
Azure Cloud	-	Azure Cloud Shell (PowerShell 2.1.0): Export-AzResourceGroup
Check Point	R77	/etc/fw/conf/objects_5_0.C /etc/fw/conf/rulebases_5_0.fws identity_roles.C (optional)
	R80	Use the NP Check Point R80 exporter (video demo.)

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NP-VIEW TRAINING

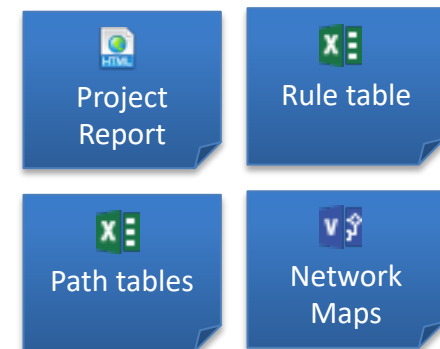
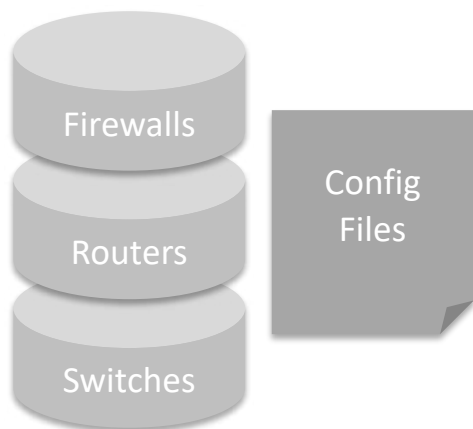
Input



Process

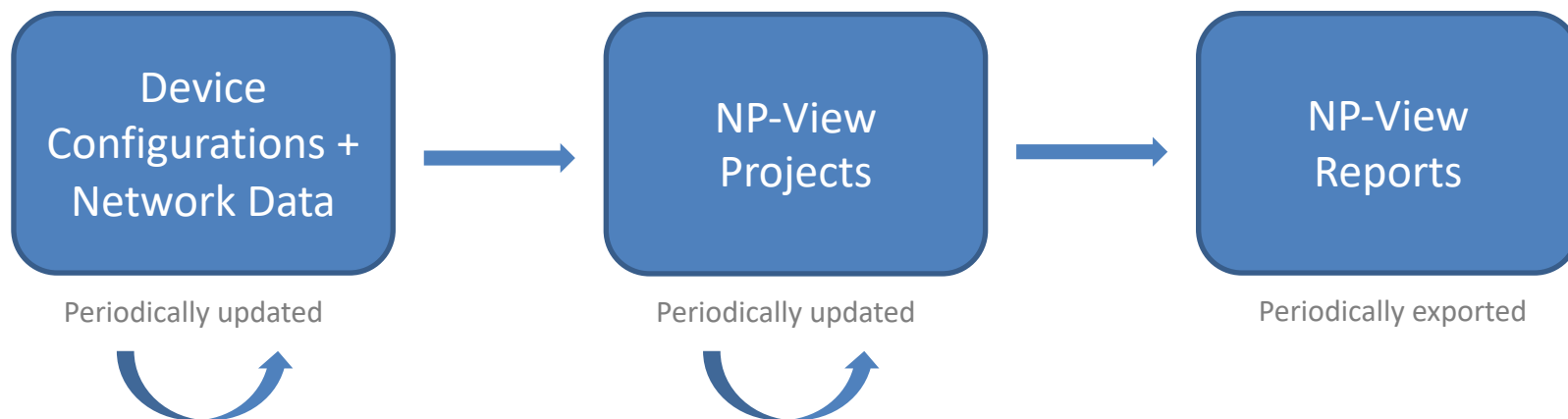


Output



Workflow:

1. Import configuration files
2. Review and customize topology map
3. Mark asset criticality and define visual groups
4. Review rules and add justifications
5. Review object groups and mark criticality
6. Run path analysis and verify network accesses
7. Export findings



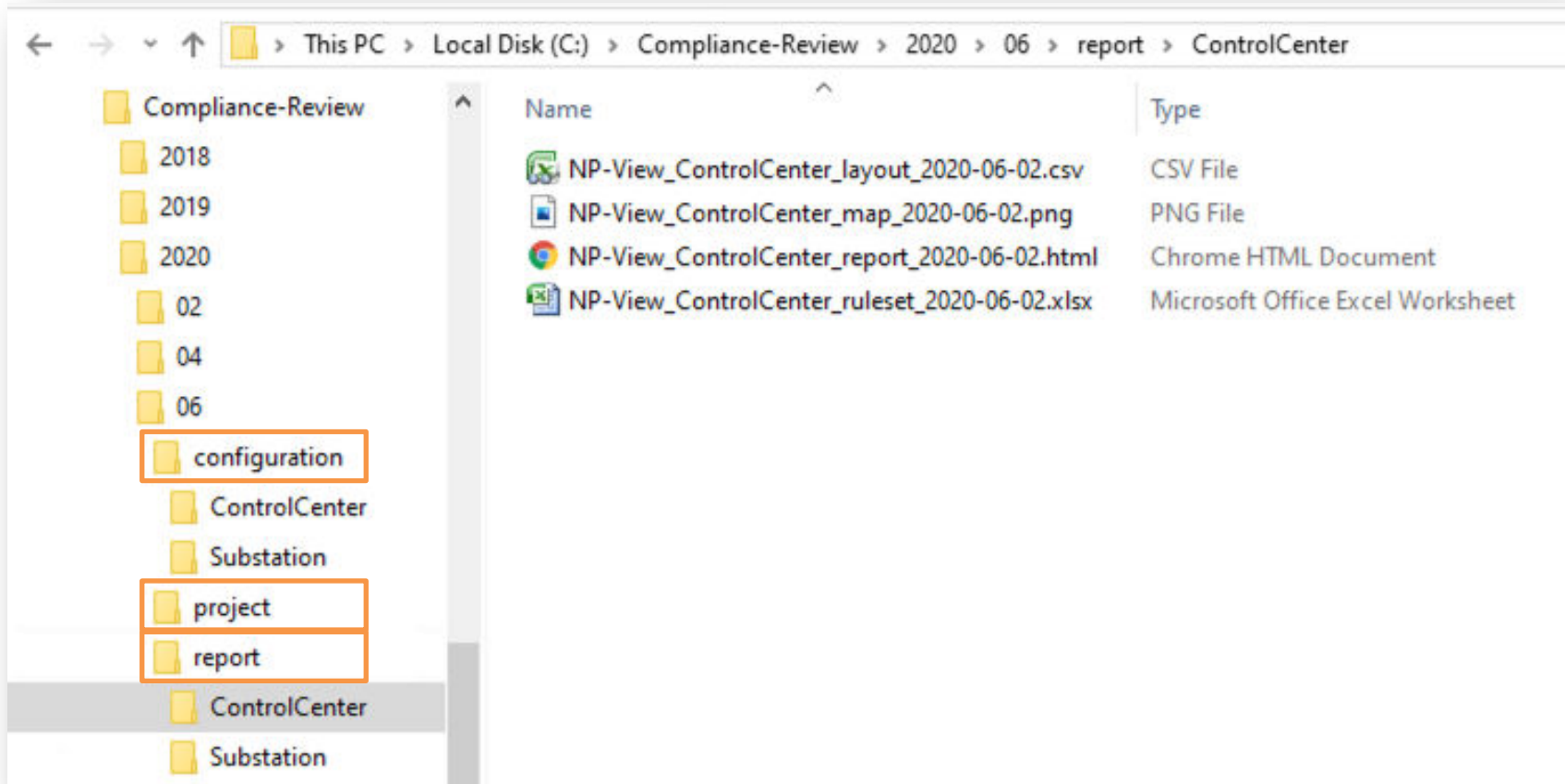
Important decisions:

- Folder structure to keep track of changes:
 - Site / Configuration / 2020 / 06 / ...
 - 2020 / 06 / Site / Configuration / ...
- File naming convention:
 - NP-View_<site>_<author>_<timestamp>.npv
- Process to update files and projects
- Data access policy
- Backup system and process to periodically verify backup/restore functions

File System Organization (cont.)



- Example:



How NP-View Projects Work



New project workflow:

User Action	NP-View Action
Launch NP-View	
Import configuration files	Create temporary folder
Work inside project	Save configuration and internal database to temporary folder
Save project	Compress temporary folder into a .npv project file
Close NP-View	Securely wipe temporary folder

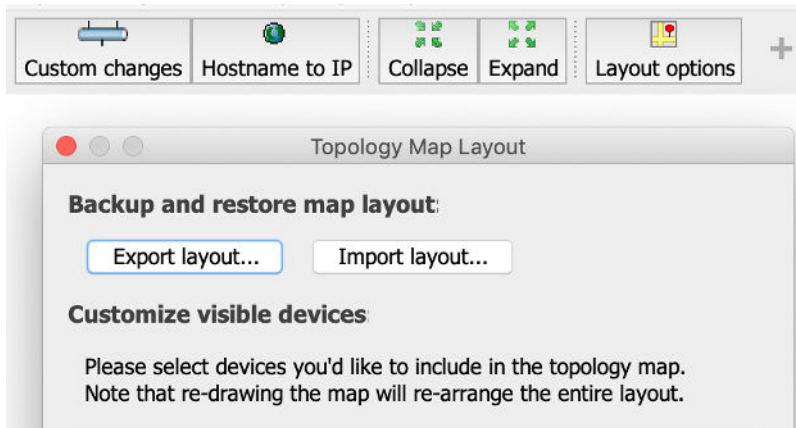
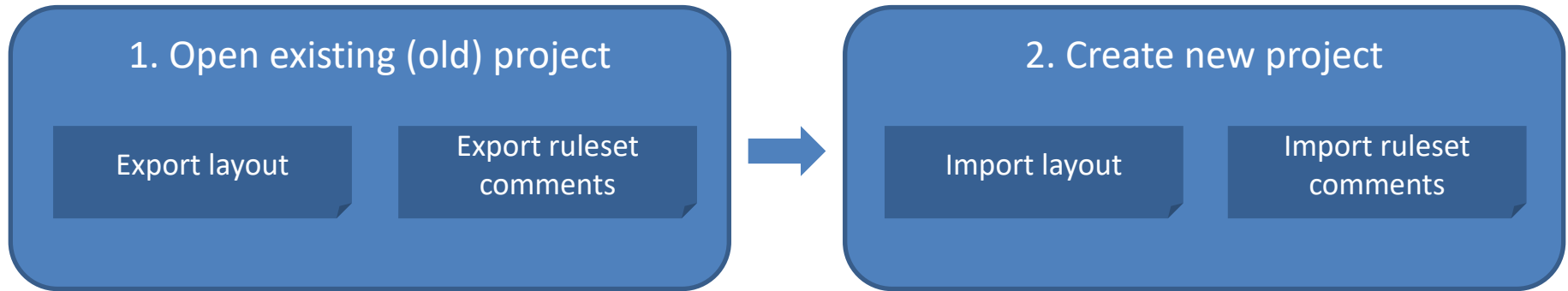
Existing project workflow:

User Action	NP-View Action
Launch NP-View	
Open existing project	Extract .npv project file into a new temporary folder
Work inside project	Save updated config and database to temporary folder
Save project	Compress temporary folder into a .npv project file
Close NP-View	Securely wipe temporary folder

Transferring Information Among Projects



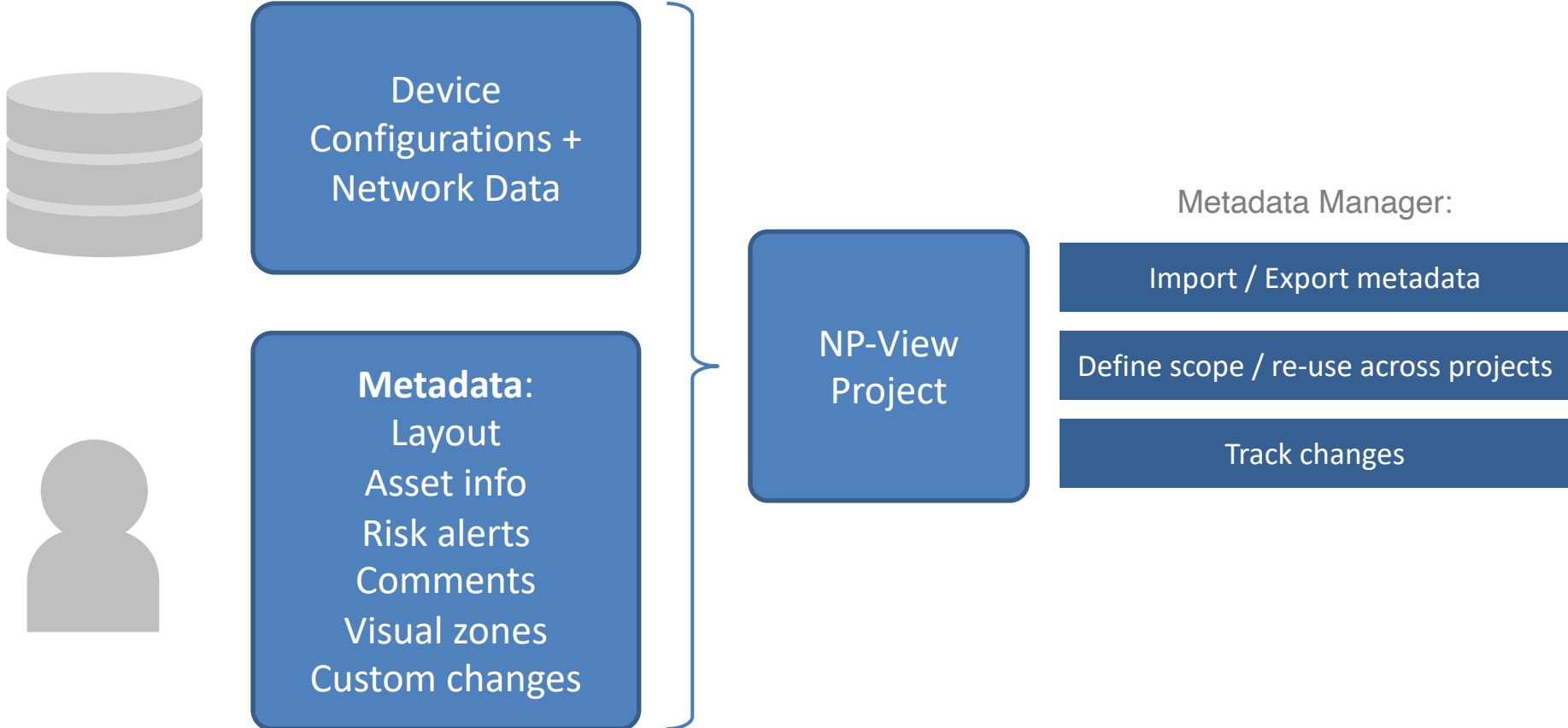
- Project files will grow over time (every config versions imported are kept)
- Solution to create a new project from scratch without losing previous work:



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NP-VIEW DEMO

Upcoming Features



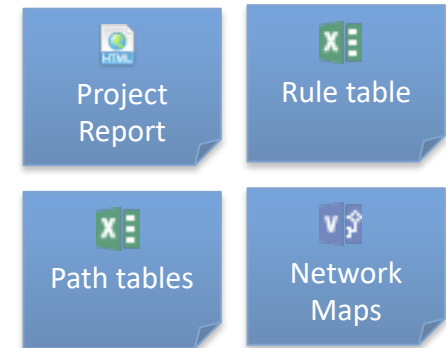
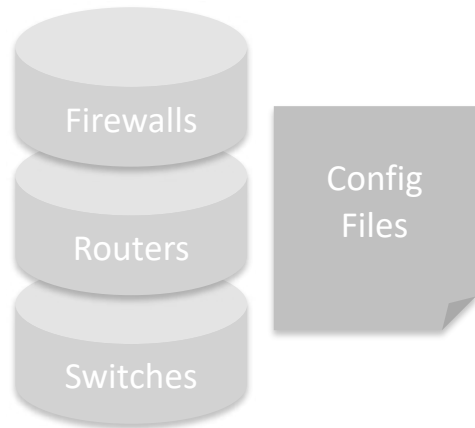
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Process



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