Automate Compliance with Your "Golden" Configuration Templates

Automation Skills Drill

SKILLS DRILL #4

Are my configurations compliant?

See how engineer, George, ensures each device config follows company standard templates automatically using NetBrain in just **five** minutes without coding!

Watch Video ▶

Ready to start automating? Learn the exact skills used in the video to build your own custom continuous assessments with self-paced tutorials from NetBrain University!

- NetBrain ADT Course 1: Overview of NetBrain Automation Data Tables (5 minutes)
- NetBrain ADT Course 2: Learn the basics of building a table (8 minutes)

- NetBrain Parser Course 1: Overview of the NetBrain Visual Parser (17 minutes)

- NetBrain Intents Course 1: Overview of NetBrain no-code Network Intents (8 minutes)
- NetBrain Intents Course 3: Learn the basics of building your diagnosis logic (7 minutes)
- NetBrain Intents Course 4: Configure diagnosis result messages and alerts (12 minutes)

Want to automate configuration design compliance?

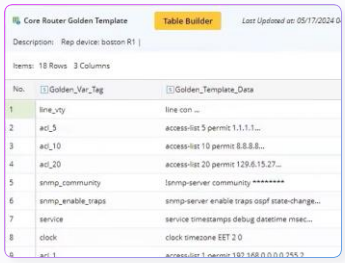
Our quick reference guide condenses the key concepts into one handy resource to create automated configuration compliance checks of each device in the network in under 5 minutes! Can you beat the clock?

Go to the Cheat Sheet ❯

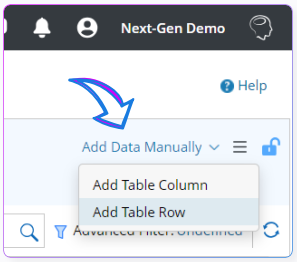
Step 1. Define the "Golden" Template

Automation in 5 minutes! 05:00

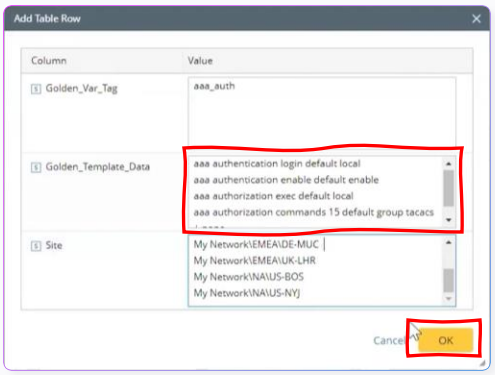
a. Open or create your "golden" template ADT.



b. Click "Add Data Manually".



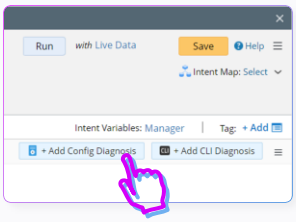
c. Add a config name, config template, and applicable sites, then press "OK".



Step 2. Create a Network Intent

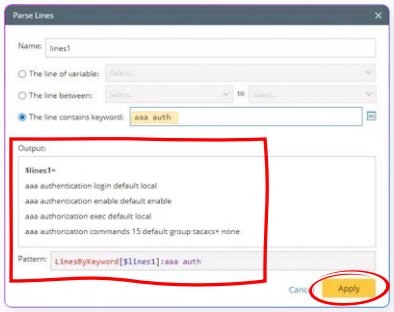
04:40

a. Create a new Intent, choose an example device, add a config diagnosis, and retrieve the config.

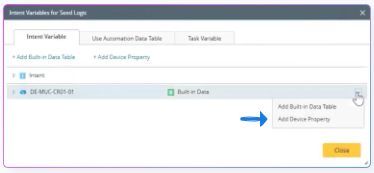


b. Click "+ New Pattern" & select "Single Variable".

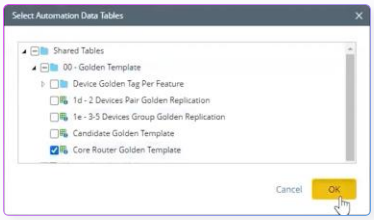
c. Click "+ Parse Lines" & search for lines containing config keywords.



d. Click "All Intent Variables" & from the second tab, click "+ Automation Data Table".



e. Choose your "golden" template ADT & click "OK".

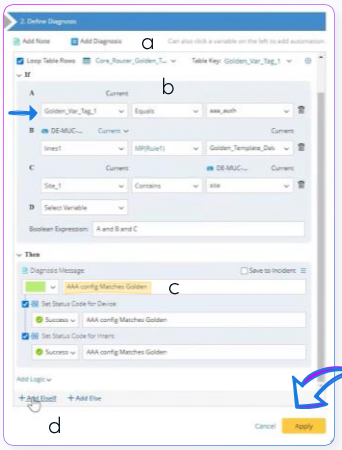


f. From the first tab, click "Add Device Property" and choose "Site".

g. Click "Define Diagnosis" to build your logic.

03:30

Step 3. Build Your Automation Logic



a. Click "Loop Table Rows", choose the golden template ADT as the table variable, and the template tag as the table key.

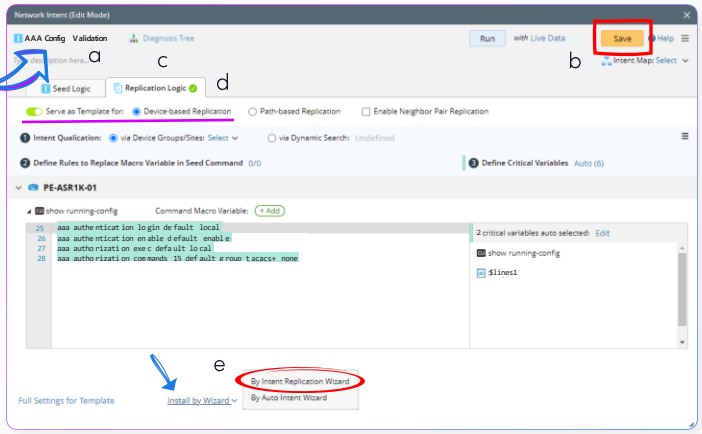
b. Under "If", choose the name column, the "Equals" operators, and the config name you'd like to verify. Next, choose the config variable, the "Matches Pattern" operator, and the config template to compare it to.

c. Under "Then", write a message the config complies with the template.

d. Click "+ Add Else" and write a message the device is not compliant.

Step 4. Save Your Intent

Beat the clock! 02:30



a. Edit the name and give your Network Intent a name.

b. Click "Save" and choose a save location within the Intent Manager.

c. Click the "Replication Logic" tab.

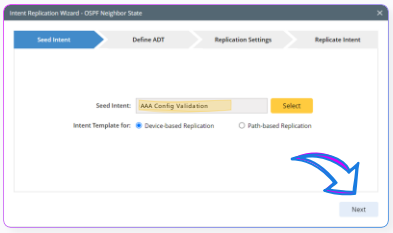
d. Select "Serve as Template for:" and "Device-based Replication".

e. Click on "Install by Wizard" and select "By Intent Replication Wizard".

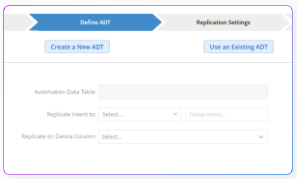
Step 5. Replicate and Assess Continuously

01:40

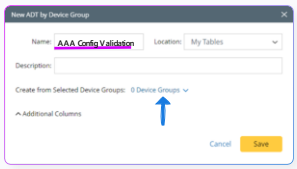
a. Select your Intent as the "Seed" and click "Next".

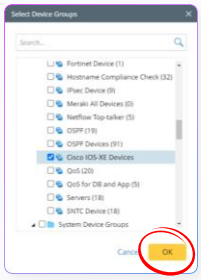


b. From the "Define ADT" tab, select "Create a New ADT" or "Use and Existing ADT" to store your results.



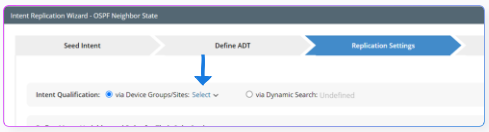
c. Choose your ADT and device group.





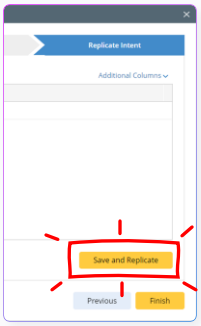
d. Create or select a device group that identifies applicable device types.

e. Click "OK" and then "Next".



f. From "Replication Settings", select "via Device Group" and choose the device group again.

g. From "Replicate Intent", click "Save and Replicate" and then click "Open Output ADT" to see assessments for every firewall.



h. Click "Run Intent via Timer" from the burger menu on the Intent column to continuously assess.

i. Set the frequency you'd like and click "OK".

00:00