The bridge to possible

IP Fabric – Network Assurance in Action

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BRKPAR-236

BRKPAR-2365
Network Assurance in Action
Four practical use cases

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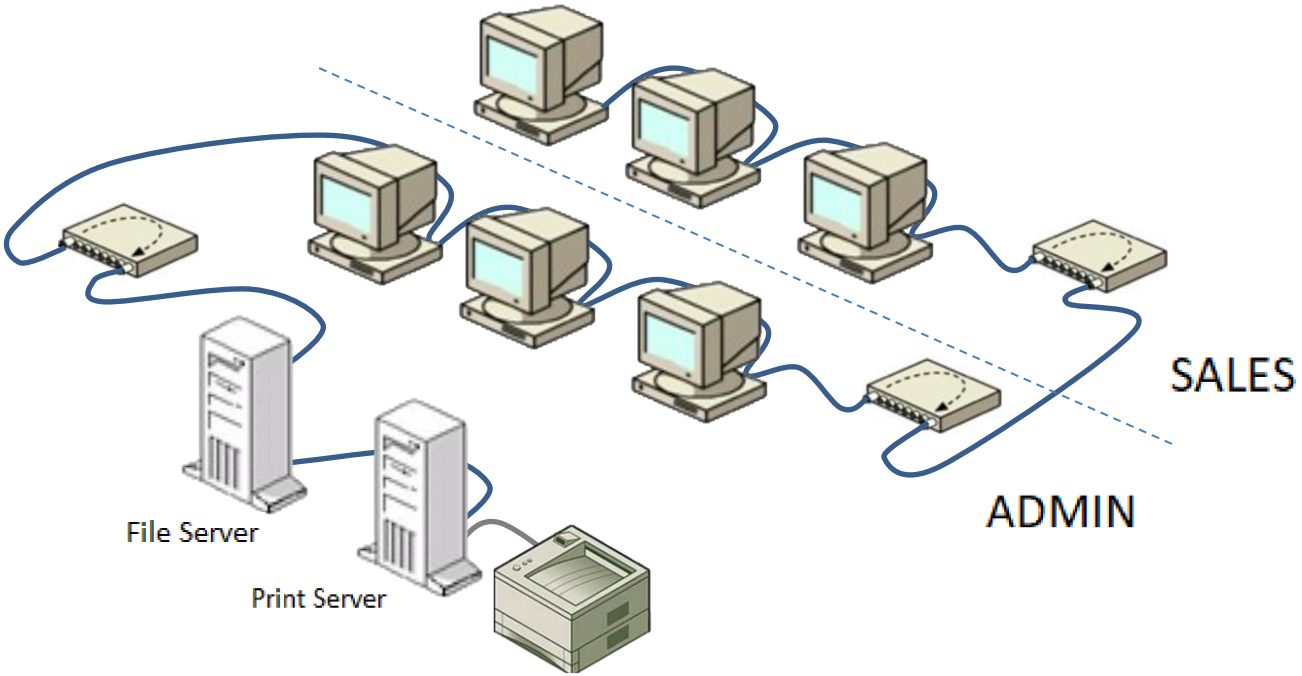
Agenda:

1. Why Network Assurance?
2. Use Cases
    1. More Data for Faster Troubleshooting
    2. Better Visibility for Cloud Migration
    3. End-to-end Network Security
    4. A Foundation for Network Automation

History

History



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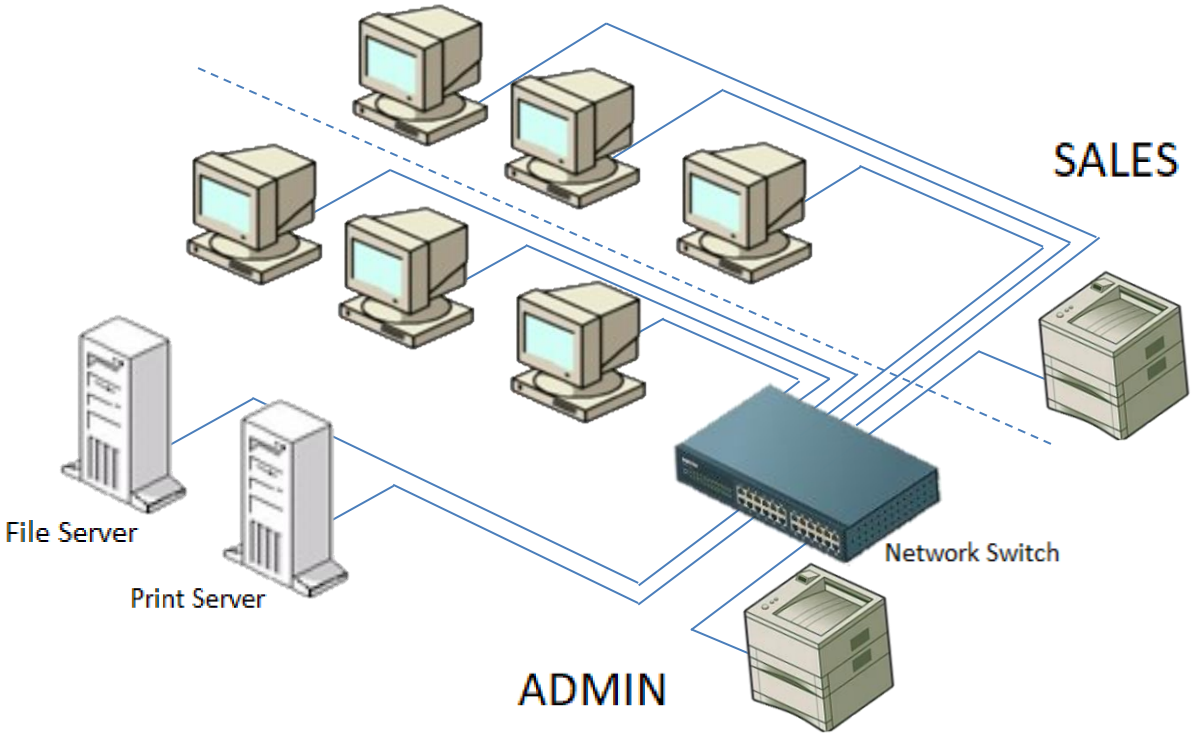

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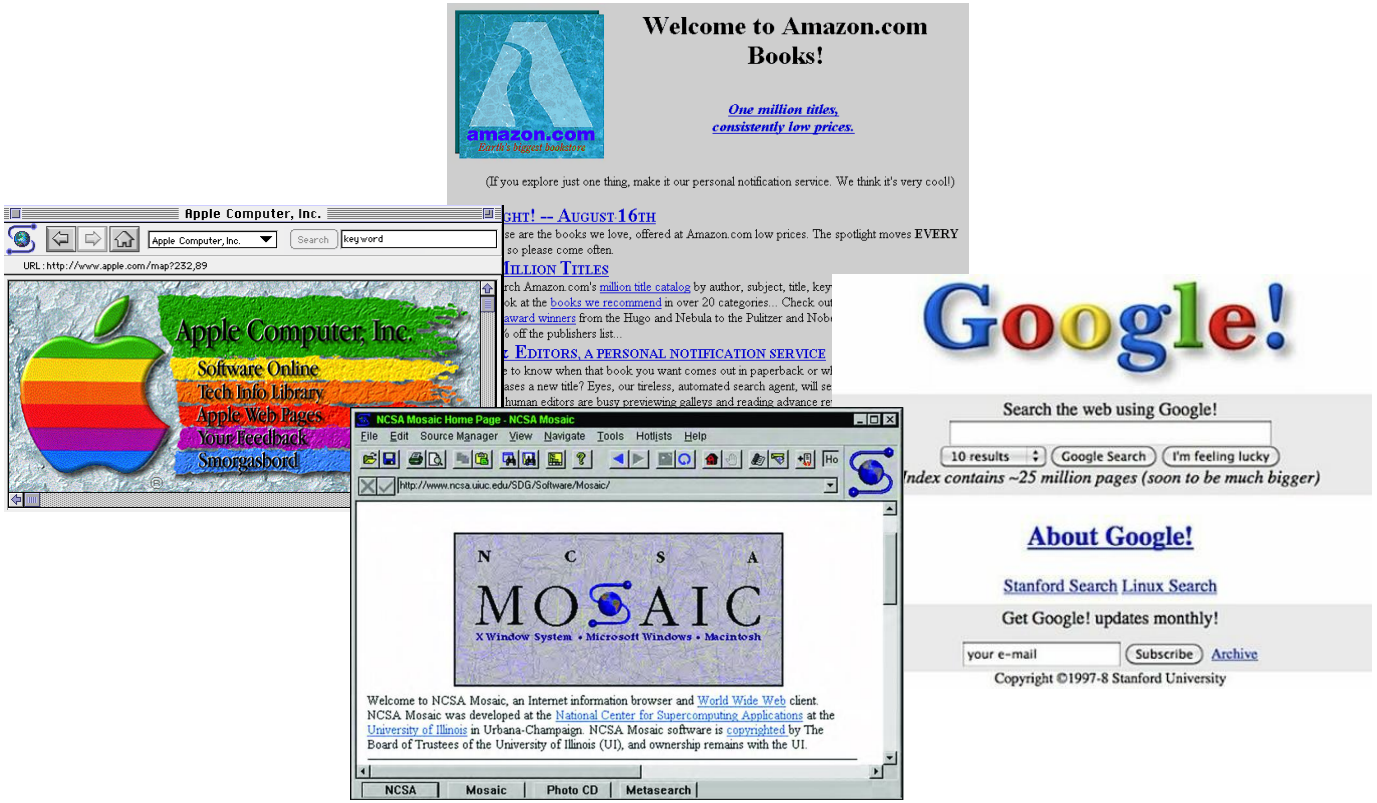
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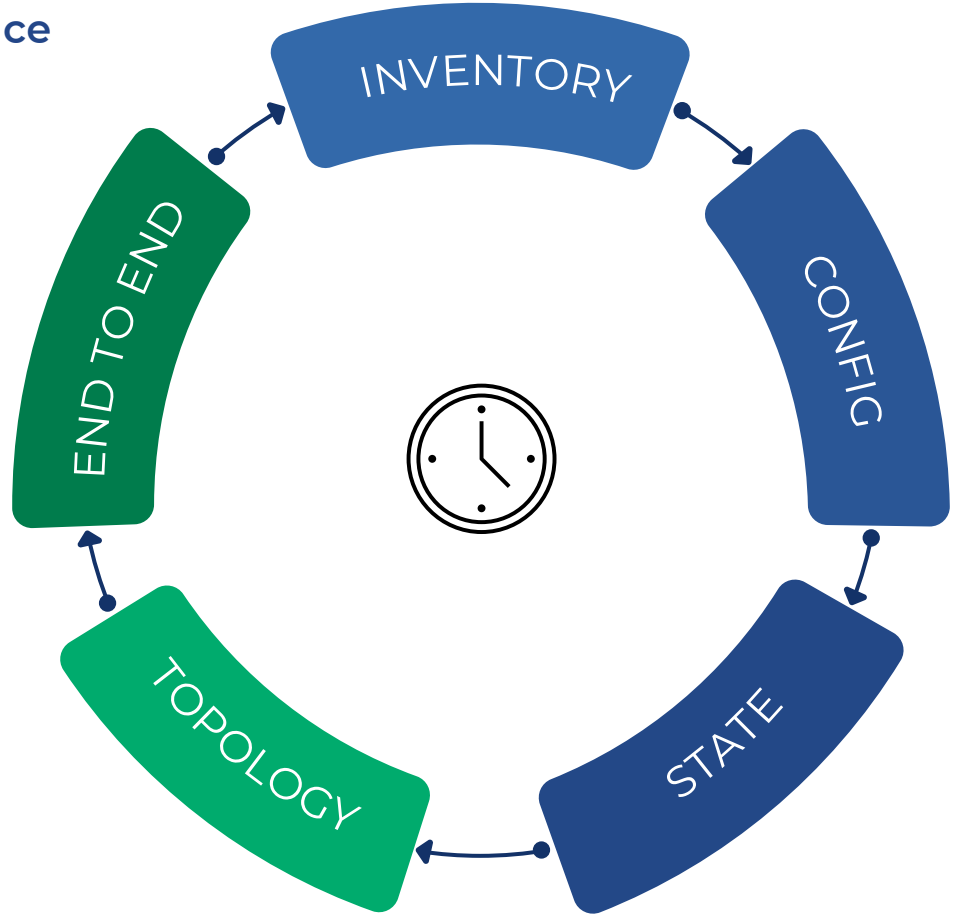
Criticality

Complexity

Compliance

Network Assurance



Criticality

Complexity

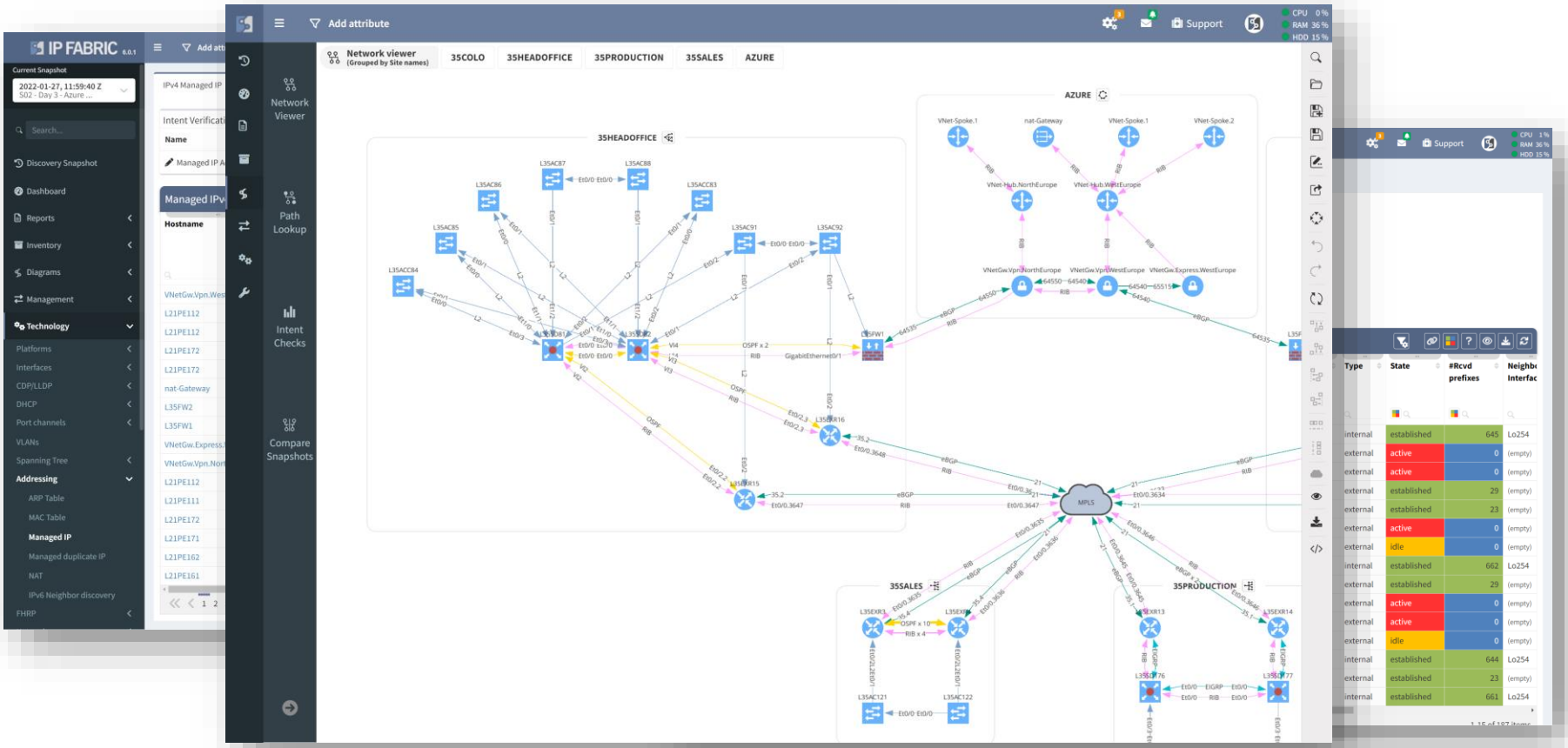
Compliance

Use Cases

Faster Troubleshooting

- When an issue arises, is my documentation complete? Can I trust it?
- Do I know that I will see problems when they occur?
- Where do I start looking when something breaks?
- What changed?
- Can I prevent issues arising proactively?

Faster Troubleshooting



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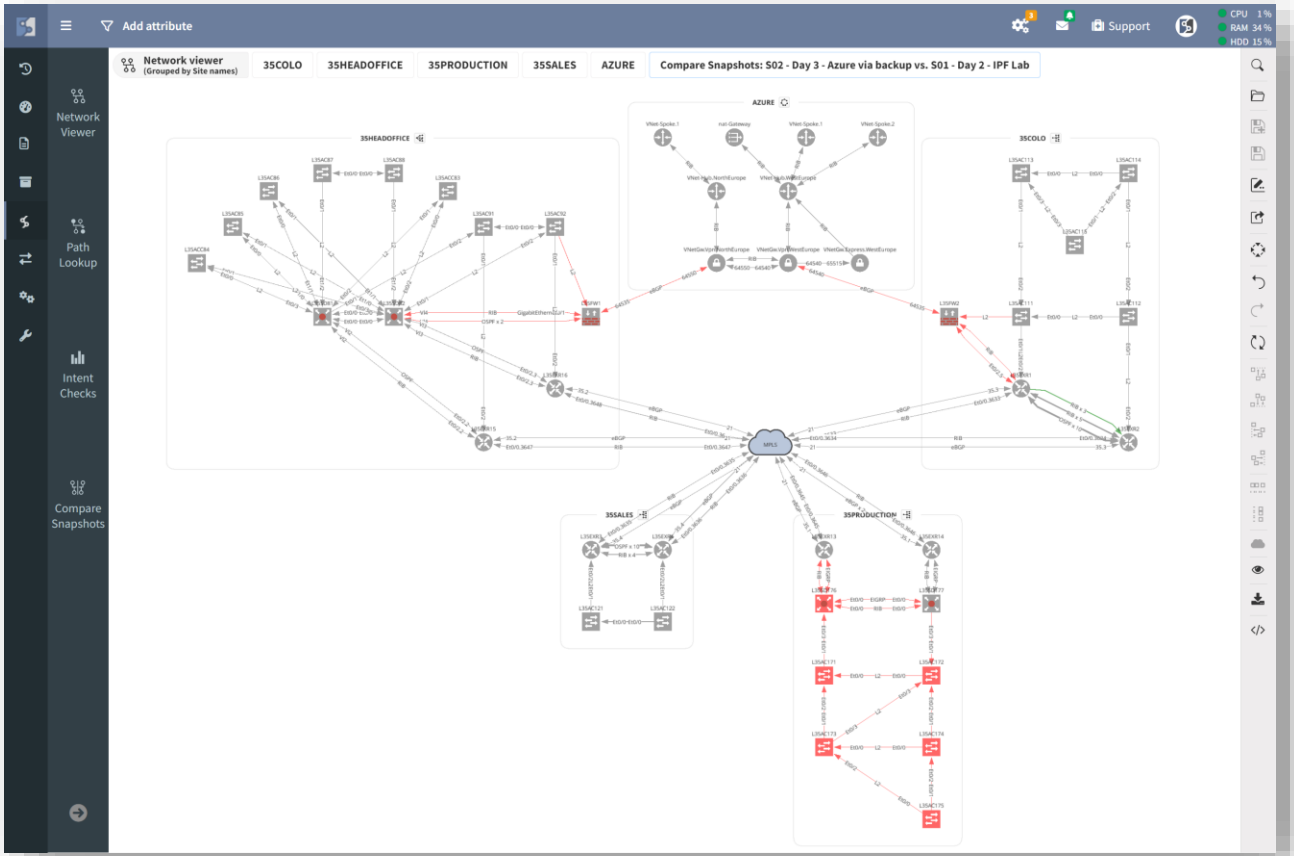
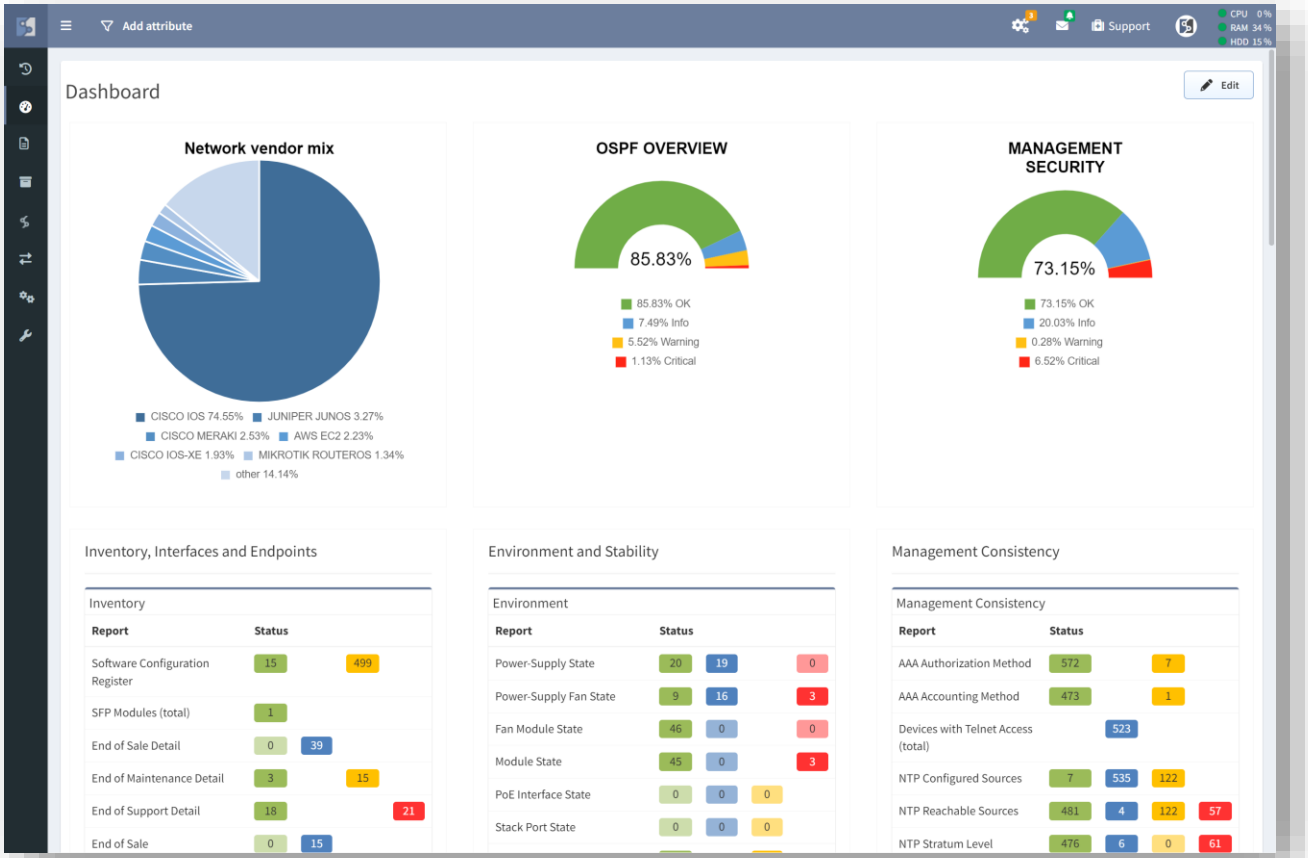
What Changed?



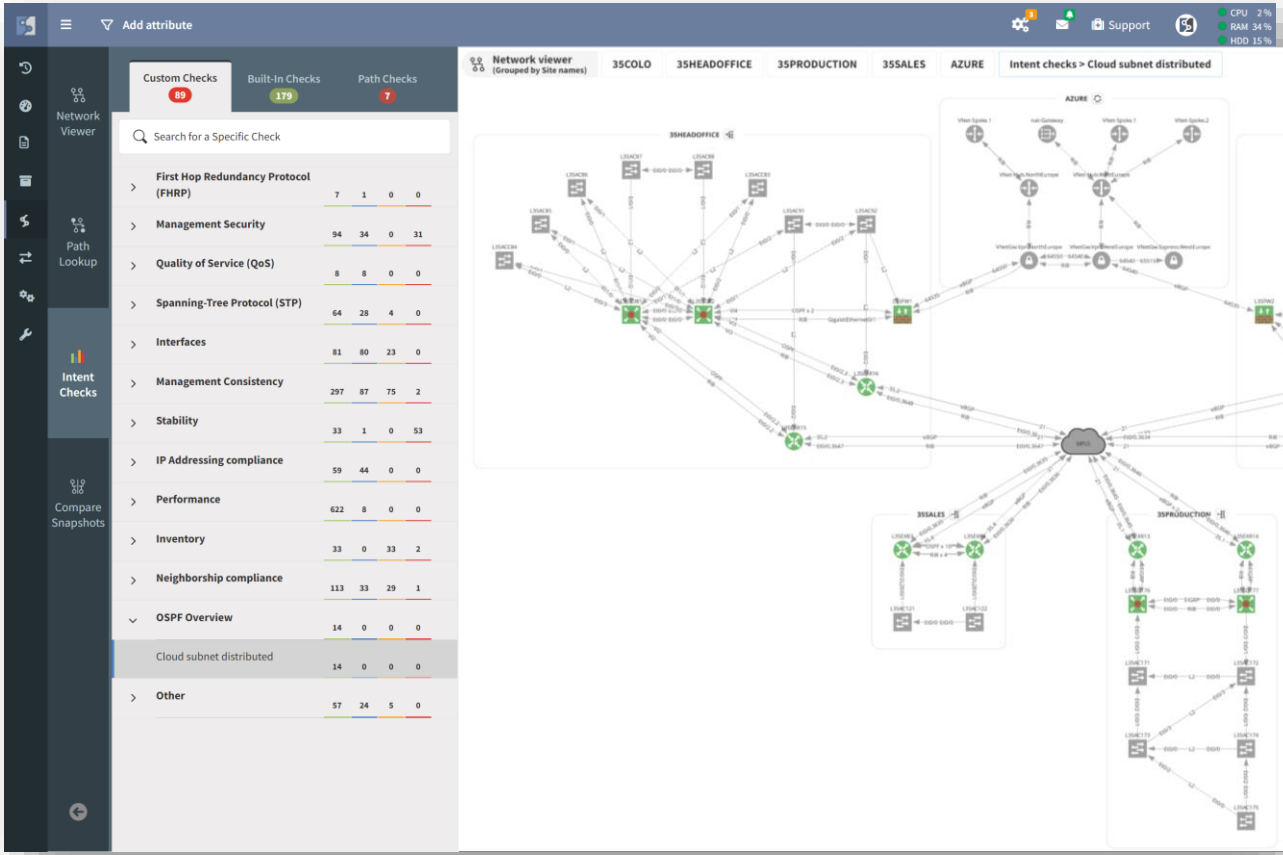
Proactivity



Multi-Cloud Migration

- What does migration to the Cloud involve?
- Do I have full visibility to and in my Cloud environments?
- Can I collaborate with my Cloud team colleagues?
- Are the Cloud instances appropriately secured?

Routing check



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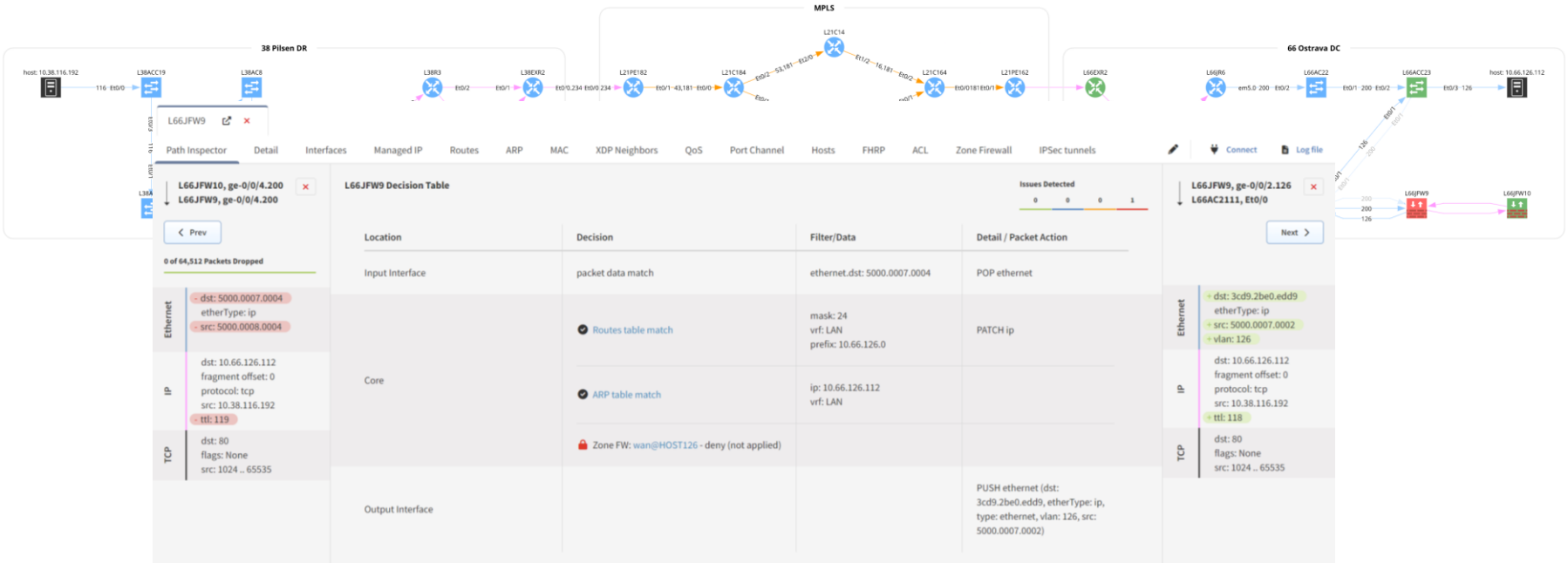
End-to-End Security

- Am I adequately protecting access to my network?
- Is my infrastructure hardened?
- Does my network segmentation protect against lateral movement?
- Do my security policies help prevent data theft?

End-to-End Security



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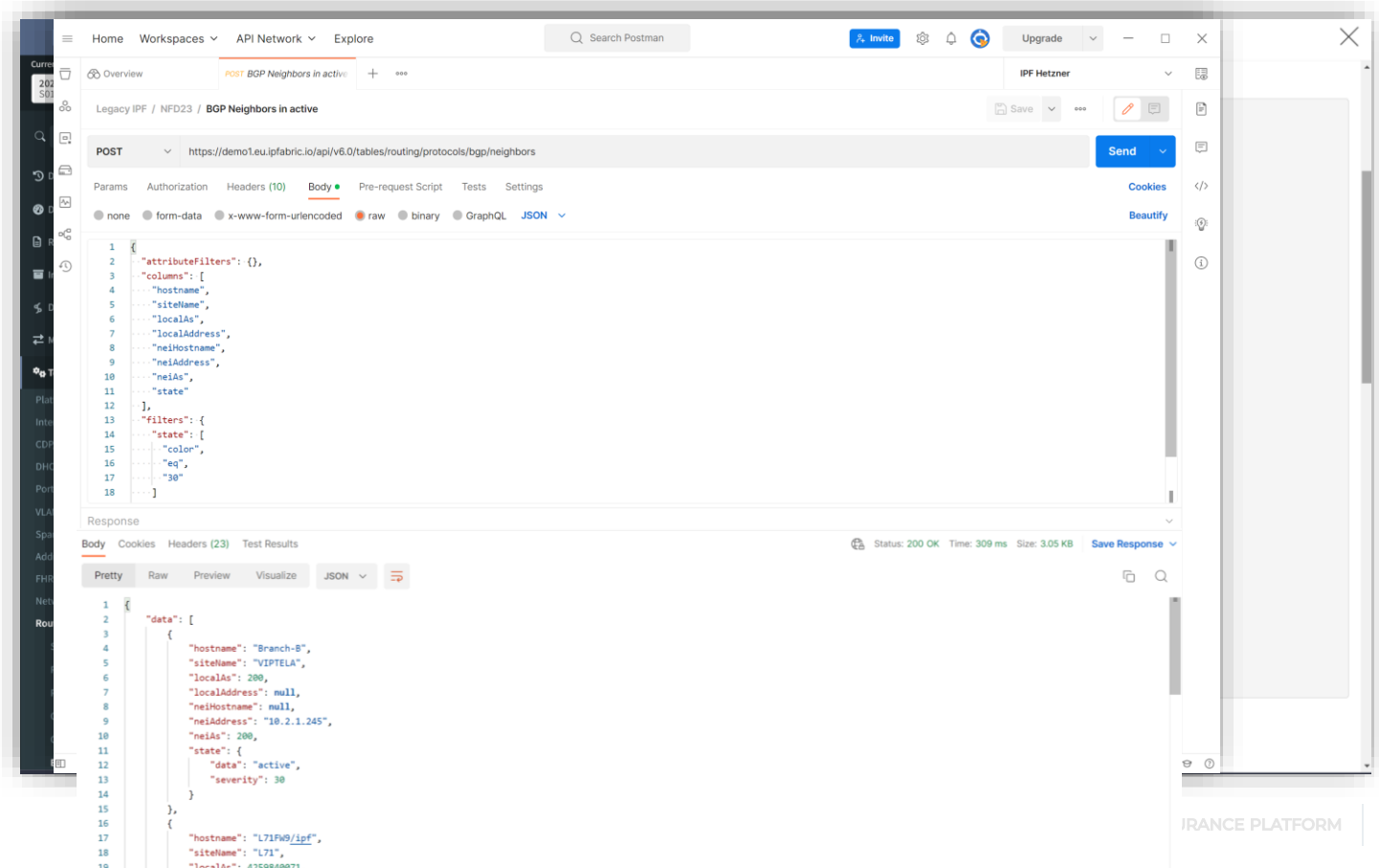
Automation Foundation

- Do I need to gather network data, parse it, normalize it, structure it, so I can consume it?
- Is my Source of Truth accurate and up to date?
- How do I spot misconfigured or misbehaving devices that need remediation?
- Can I validate that a workflow has delivered an outcome across the network?
- Can I share the data, insight and validation across my tooling ecosystem?

Automation Foundation



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Ecosystem

Take aways

1. Need for structured, normalized data across whole network
2. Provide measurable insight into config, state, topology and behavior
3. Compliance and audit daily
4. Query and visualize
5. UI and API

Questions?

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AUTOMATED NETWORK ASSURANCE PLATFORM

BOOTH B03

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Thank you

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ALL IN