IP FABRIC

SD-WAN

Most failed SD-WAN projects can be traced back to bad network data. Configurations keep shifting. Devices come and go. To keep up with the relentless pace of changes—both planned and unplanned—organizations need a reliable source of truth. Digital twin platforms like IP Fabric ensure you're always working with accurate, accessible data, paving the way for a **smooth SD-WAN rollout**.

- [ ] **Update your CMDB**

  IP Fabric discovers 100% of your network devices from core to edge to cloud. After pulling each device's host name, serial number, and lifecycle data, it automatically syncs with your **ServiceNow** instance so that every project is powered by a trustworthy CMDB.

- [ ] **Get a baseline of network behavior**

  IP Fabric maps every configuration and dependency to create a **snapshot** (or digital twin model) of your network behavior at a given point in time. This ensures every part of your rollout is informed by your *actual* network state, rather than your assumed or intended one.

- [ ] **Validate security & regulatory controls**

  Whenever IP Fabric takes a snapshot, it also runs a series of configuration checks based on leading security frameworks (e.g. NIST CSF, CIS, ISO 27001) and regulatory frameworks (e.g. PCI-DSS, HIPAA, NIS2, DORA). The results of these checks are normalized and presented in a user-friendly dashboard.

- [ ] **Ensure audit readiness**

  For some organizations, it can take **a month or more** to gather proof of compliance. Meanwhile, an IP Fabric snapshot takes only minutes to run, serving as timestamped evidence that you have the proper security and regulatory controls in place (e.g. segmentation, encryption, access controls).

- [ ] **Address configuration drift**

  If IP Fabric detects any policy or configuration drift, you can compare your current snapshot with your network's "last known good state" to pinpoint any issues and identify how far they've spread. With this level of visibility, customers have slashed troubleshooting and Mean Time to Resolution (MTTR) by **40%**.

- [ ] **De-risk change management**

  IP Fabric's **end-to-end path lookups** can simulate the effects of changes before—and after—you make them. This means you can anticipate and remediate issues before they result in misrouted traffic or interrupted service delivery.

- [ ] **Validate automated workflows**

  IP Fabric does not push configurations or changes, but rather validates them after they're made. This creates a **Segregation of Duties** (SoD) for proper automation governance.

Get in touch.

Visit IP Fabric's website for demos, customer stories, and more.