

# Forward Predict

Move fast. Break nothing.

## Overview

Forward Predict verifies proposed changes at production scale, eliminating deployment risks. As a module in Forward Enterprise, it runs routing, ACL, NAT, and firewall configuration changes against a mathematically accurate, production-equivalent digital twin of your multi-vendor, hybrid network.

### Not an estimate. Not a guess.

A verified answer, with security, connectivity, and compliance risks identified and addressed at design time.

## The Outcome

Change windows stop being the test. CAB approvals move from judgment calls to decisions backed by validated evidence. With production-scale validation behind every change, teams move fast, and delivery cycles compress from months to days

## Forward Predict Use Cases

- **Pre-deployment change verification:** Verify routing (BGP, OSPF, Static), firewall, ACL, NAT, and segmentation changes in minutes against a mathematically accurate, production-equivalent digital twin, before deployment.
- **Cloud and hybrid path verification:** Verify end-to-end paths across AWS, Azure, GCP, IBM Cloud, and on-prem networks before workloads go live.
- **Accelerated CAB approval:** Compress change reviews from months to days, with verified evidence behind every approval.
- **Autonomous networking:** Verify AI-proposed changes before they execute, so agents can iterate safely toward verified outcomes.

# Capabilities

## Verify change

Forward Predict tests proposed changes on a mathematically accurate production-equivalent digital twin, before they touch production.

## Identify risks

Forward Predict surfaces security, connectivity, and compliance risks at design time. Teams get answers before deployment, not after.

## Build evidence

Every CAB approval moves forward on verified evidence, with a full audit trail of what was tested and when.

## Break nothing

Catch outages, misconfigurations, unintended exposures, and policy violations at design time, never in production.

# Why it matters

## Eliminate risks, don't manage them

Forward Predict catches security, connectivity, and compliance risks at design time. Self-inflicted incidents drop because errors never reach production.

## Accelerate design to delivery

Forward Predict compresses weeks of manual review into days of model execution. Every change deploys with validated evidence, and first-attempt success rates climb.

## Skip the physical lab

Physical labs never match production. The Forward Enterprise digital twin does. NetOps, SecOps, and CloudOps work from one verified truth.

## Unlock autonomous networking

Forward Predict verifies AI-proposed changes before they run. Agents iterate at machine speed. Production sees only what is verified.

## What verified change looks like

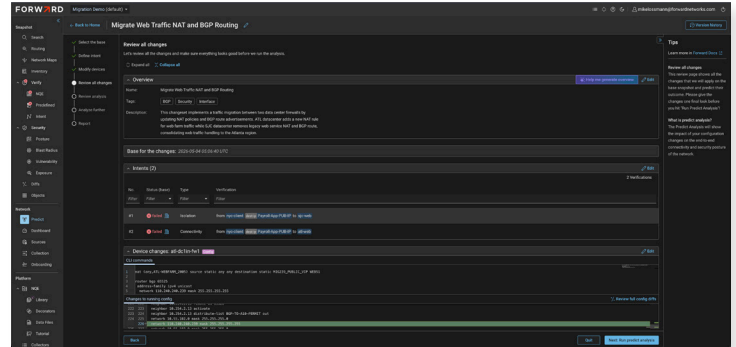
Forward Predict clearly articulates what a proposed change will do to the network before it reaches production.

**Intent Validation:** Network behavior tested against intent. Pass or fail, no guesses.

**Regression Testing:** Evaluate predicted outcomes against a comprehensive list of regression tests. Surface unexpected side effects, outage risks, exposure risks, and compliance violations.

**Effect Analysis:** Security, connectivity, and compliance impacts surfaced across the entire network.

**What used to take months of planning is reduced to days.**



## In Practice

### NetOps

#### Deploy verified changes faster

Every BGP, OSPF, and ACL update runs through Forward Predict before CAB review. CAB reviews shrink from months of peer checks to days of model execution, and multi-hour cutovers become predictable deployments.

### CloudOps

#### Take hybrid workloads live faster

New paths across AWS, Azure, GCP, IBM Cloud, and on-prem networks are verified end-to-end before deployment. Connectivity issues that previously stalled cloud migrations and application deployments are resolved before they hit the production network.

### SecOps

#### Verify every firewall change end-to-end

New rules and policy updates are tested for unintended access across the entire network, not at a single device. Misconfigurations that would create exposure are caught at design time, before they become incidents.

### Compliance

#### Stay audit-ready, continuously

Cloud and on-prem regulatory policies are verified on every change, across every vendor and zone. Policy drift and violations surface before deployment, with a full audit trail of what was tested and when.

## Get started

Request a demo at [www.forwardnetworks.com/request-a-demo](http://www.forwardnetworks.com/request-a-demo)