



# Cisco Performance Routing (PfR) Solution Guides

Performance Routing (PfR) has many features, provides many services and has a great flexibility. This page lists the most common deployment scenarios.

## Navigation

- [Go to PfR home page](#)
- [PfR Technology Overview](#)

## PfR Phase 3 (PfRv3) - Next Generation PfR

PfRv3 is a major new release of Cisco Performance Routing. Please check the PfRv3 home page and solution guides:

- [PfRv3 Home page](#)
- [PfRv3 Technology Overview](#)
- [PfRv3 Solution Guides home page](#)

## PfR Phase 2 - Using PfR with latest simplification enhancements (Target Discovery, Simplification)

IOS 15.2(3)T and IOS-XE 3.6 and later support significant simplification enhancements, including Target Discovery and better default behavior.

See [PfR Simplification](#) for more information.

- [Enterprise WAN](#)
- [Internet Edge](#)
- [Enterprise - Using Application Policies - DSCP Marking with NBAR2 on ingress](#)
- [Enterprise - Using Application Policies - DSCP Marking with NBAR2 on ingress](#)

- Enterprise - Using Application Policies - PfR with NBAR

## **PfR Phase 1 - Using PfR before the simplification enhancements**

Using IOS 15M/T or IOS-XE 3.x before IOS 15.2(3)T and IOS-XE 3.6

### **Enterprise Intranet Solution Guides:**

- Basic - Load Balancing
- Enterprise - Advanced Load Balancing, Class Based Routing
- Enterprise - Data, Dual-homed to two IP-VPN Service Providers
- Enterprise - Dual VPN - Primary path on MPLS-VPN, secondary path on Public WAN with DMVPN
- Enterprise - Fast Failover

### **Internet Edge Solution Guides:**

- Internet - Outbound Load Balancing
- Internet - Inbound Load Balancing
- Internet - Implementing Cost Policies