

Mobile IP Routing: Proactive vs Reactive

[Phone view](#)

Storyboard timeline for teaching & review

Overview

[Proactive](#)[Reactive](#)[Comparison](#)

Legend

Roles

M Mobile node

H Home agent

F Foreign agent

R Router

Links

Data path

Control msg

Glossary

Proactive: keeps routes fresh with periodic updates.

Reactive: discovers route only when needed.

Intro

storyboard

Step 1 of 3 -

Basic

Mobile IP

Neutral concept

Step 1: Node attaches



Mobile node starts in home network with a data path via the home agent.



◀
Prev

Next
▶

▶
Auto play

Context

Current frame - Overview

What you see:

- Home vs foreign networks.
- Mobile node moving and registering.
- Data tunneled via the home agent.

Key terms

- Home address: stable IP of the mobile node.
- Care-of address: location in foreign net.
- Tunnel: HA → FA encapsulation.

Pros / cons

- Stable identity despite movement.
- Extra control traffic & encapsulation.

Discussion notes

Use pins (e.g., 1) to discuss route choices, tunneling overhead, or handover timing.

Storyboard timeline

Tap a step to jump - Ideal for lectures



Pause

1
Intro

2
Handover

3
Tunnel

P1-P5
Proactive

R1-R5
Reactive

C1-C2
Compare