



# CCIE Security Version 5 Advanced Technologies Class

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# uRPF with ACL

What are the advanced options for uRPF?

# uRPF with ACL Overview

- ▶ By default, if the packet fails the RPF check, it is dropped
  - This can be changed by using an ACL
- ▶ With ACL configured, if the RPF check fails
  - The router will additionally inspect the ACL to decide its final action
- ▶ Considerations
  - It's supported by both strict and loose mode

# uRPF with ACL Overview

- ▶ If the packet matches a permit statement from the ACL
  - The packet is accepted, even if it failed the RPF check
  - This is used to whitelist specific IP's
- ▶ If the packet matches a deny statement from the ACL
  - The packet is dropped
  - This is used to identify which source are being spoofed by using the log option to the ACE

# uRPF with ACL

## ▶ Implementation steps

- Configure the ACL
- Bind the ACL to the uRPF configuration
- Verify its functionality



Knowledge is Power!