

Compatible Systems Tech Notes: Knowledge Base Article C000138

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Introduction

This document discusses Knowledge Base Article C000138.

Prerequisites

Requirements

There are no specific requirements for this document.

Components Used

This document is not restricted to specific software and hardware versions.

Conventions

Refer to Cisco Technical Tips Conventions for more information on document conventions.

NAT on a Single Physical Interface, but with Two (or more) Subinterfaces

Summary

The public routable address must be on the primary interface and not on any of the secondary subinterfaces.

Affected Products

1200i	2200R	4000S
1220i	2220R	VSR-2

1250i	2250R	VSR-8
1270i	2270R	IntraGuard
2600i	3500R	

Affected Versions

Versions later than 4.2

More Information

The public routable address (provided to you by your ISP) must be on the primary interface and not on any of the secondary subinterfaces.

This example is on an MR2200R where the Ethernet 0 port is used as the NAT port:

Bad:

```
E0    192.168.10.1/24
E0.1  198.41.12.1/24
Natmap=on for Ethernet 0
```

Good:

```
E0    198.41.12.1/24
E0.1  192.168.10.1/24
Natmap=on for Ethernet 0
```

These lines are the rest of the NAT configuration in this example.

Nat Global:

```
InternalRange=192.168.10.0
ExternalRange=198.41.12.1
enabled=on
```

IP Static:

```
0.0.0.0 0.0.0.0 198.41.12.1 1
```

All 192.168.10.x devices must have a default gateway of 198.168.10.1.

Related Information

- [Technical Support & Documentation – Cisco Systems](#)
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