

# IBM 5494 and 5394 with T2.1 RPQ Configuration Tips

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## Introduction

This document provides a sample configuration for IBM 5494 and 5394 with T2.1 RPQ.

## Prerequisites

### Requirements

There are no specific requirements for this document.

### Components Used

An IBM 5394 installed with IBM RPQ 8Q0775 acts as a Physical Unit 2.1 (PU2.1) device.

The information in this document was created from the devices in a specific lab environment. All of the devices used in this document started with a cleared (default) configuration. If your network is live, make sure that you understand the potential impact of any command.

### Conventions

For more information on document conventions, refer to Cisco Technical Tips Conventions.

## Configure

In this section, you are presented with the information to configure the features described in this document.

**Note:** In order to find more information on the commands used in this document, use the Command Lookup Tool ( registered customers only) .

## Configurations

In order to create definitions manually, configure the following under the operate LAN line resource:

Configuration
<pre>CRTCTLAPPC CTLD(RMT5394C) LINKTYPE(*LAN) ONLINE(*NO) + RMTCPNAME(CP5394) EXCHID(05F000C3) + ADPTADR(4000549400C3) NODETYPE(*CALC)  !--- The block ID that gets passed through in the exchange identification !--- (XID) is a 073 for the IBM 5494, and is a 05F for the 5394. The idnum !--- portion is 000 + C3 = 000C3, where the C3 is the SDLC station !--- address of the 5394 or 5494.  CRTDEVAPPC DEVD(RMT5394D) RMTLOCNAME(CP5394) + ONLINE(*NO) CTL(RMT5394C) MODE(QPCSUPP) CRTCTLRWS CTLD(RWS5394C) TYPE(5394) MODEL(1) + LINKTYPE(*NONE) ONLINE(*NO) + RMTLOCNAME(CP5394)  !--- You are able to specify a RMTLOCNAME by specifying a LINKTYPE(*NONE) !--- on the RWS controller. !--- This is how the 5394 controller !--- (T1.0 PU) is tied to the APPC controller. The connection !--- is made through the APPC device (ILU) that you created.  CRTDEVDSP DEVD(RWS5250D) DEVCLS(*RMT) TYPE(3486) + MODEL(BA) LOCADR(00) ONLINE(*NO) + CTL(RWS5394C) DROP(*NO)</pre>

On the IBM 5394 configuration, you need to match fields 11 through 16:

```
field 11: NETID must match the NETID in the "DSPNETA"
field 12: LU name of the 5394 must match RMTLOCNAME
field 13: CP name of the 5394 must match RMTCPNAME
field 14: Mode used by 5394 must match MODE
field 15: NETID must match the NETID in the "DSPNETA"
field 16: LU name of AS/400 must match LOCLOCNAME in "DSPNETA"
```

**Note:** The configuration also works when you set the CP and LU to the same name. This is sometimes easier when trying to bring the node up initially.

## Matching DLSw Configuration Statements

Enter the following to get the connection started:

```
sdlc role prim-xid-poll  ()

!--- A null is initially sent. However, the XID of the 5394
!--- gets passed directly through after the initial response (05F000C3
!--- in this case).
```

sdlc vmac xxxx.xxxx.xxxx plus the sdlc address yy = xxxx.xxxx.xxyy

This must match ADPTADR(4000549400C3).

Notes:

- Set **field 3, sub-field 3 to 1** (point-to-point). If field 3, sub-field 3 is set to 0 (multipoint), the 5394 does not respond to the null-XID; the null-XID is sent to a broadcast address, FF. When set to multipoint, the 5394 only responds to its SDLC address. RTS is also down when the controller is not transmitting, even though field 3 subfield 2 is set to 1 for full duplex (check the serial interface display). If set to duplex and point-to point, RTS is up continuously.
- Be aware that field 2 on the first 5394 configuration screen is the SDLC station address, and needs to match the **sdlc address yy**. The **sdlc address** and **vmac** are combined to form the dummy MAC address of the virtual LAN-attached controller or PU seen by the AS/400. The **sdlc address** and **vmac** must match the ADPTADR(4000549400C3) under the APPC controller description.

sdlc partner xxxx.xxxx.xxxx

This must match the MAC address configured in the LAN line description under which the controller is built.

## Verify

There is currently no verification procedure available for this configuration.

## Troubleshoot

There is currently no specific troubleshooting information available for this configuration.

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## Related Information

- [Troubleshooting DLSw](#)
- [Technical Support – Cisco Systems](#)

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