

Remote Node Login from Local Node via TL1 Commands

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Introduction

This document describes the method to login reachable remote nodes from local node by TL1.

Remote Node Login from Local Node via TL1 Commands

In the quest to login a remote node from adjacent reachable node, if Cisco Transport Controller (CTC) does not work, you are left with the TL1 method.

This method describes how to login remote node from local logged in node and the steps are:

Step 1. Login to the node and check if the remote node is reachable via any channel, for eg. (DCC/GCC/OSI) or accessible directly by ping.

```
10.105.142.206 |
WARNING
This system is restricted to authorized users for business purposes. Unauthorized
access is a violation of the law. This service may be monitored for administrative
and security reasons. By proceeding, you consent to this monitoring.

ATTENTION!!!
This shell is intended for QUALIFIED PERSONNEL ONLY. Customer Use of
this shell is not recommended OR supported by the Technical Assistance
Center. Inappropriate use of shell Commands can have a Negative AND
Service Affecting impact on your network. Please consult the User
Documentation for appropriate troubleshooting procedures.

To exit without logging in, enter Control-D at the login prompt.
To exit after logging in, type "logout" at the prompt.

Login: CISCO15
Password:XXXXXX

To discontinue logging in, type control-d or wait 60 seconds.
After logging in, type 'enablec' to enable abort key (control-c).

-> enablec
value = 3 = 0x3
-> acNodes
===== AlrmC Nodes =====
ind Val NodeName IP Addr Cri Maj Min N-A N-R Vwire ProdField VirtWrProdNm VirtWireProdEnum MsgVer
-----
0 Yes 206 10.105.142.206 3 0 2 8 1 xxxx ONS15454 1 400 local node
1 Yes WXC-207 10.105.142.207 0 1 5 6 0 xxxx ONS15454 1 400 remote nodes
2 Yes 197 10.105.142.197 3 2 10 10 5 xxxx ONS15454 1 400

-> acNodes
===== AlrmC Nodes =====
ind Val NodeName IP Addr Cri Maj Min N-A N-R Vwire ProdField VirtWrProdNm
VirtWireProdEnum MsgVer
-----
0 Yes 206 10.105.142.206 3 0 2 8 1 xxxx ONS15454 1 400
1 Yes WXC-207 10.105.142.207 0 1 5 6 0 xxxx ONS15454 1 400
```

Step 2. Login via TL1 in local node with the use of this syntax.

10.105.142.206 (1)

ACT-USER::CISCO15:123::*****;

```

206 2000-12-15 23:43:21
123 COMPLD
"CISCO15:2000-12-15 23-42-43,2000-12-15 23-15-04,0"

```

logged in local node

```

206 2000-12-15 23:43:21
A 0 REPT EVT SESSION
"206:NO,"
/* TL1 Agent Copyright (c) 1999-2007 Cisco Systems, Inc.

```

WARNING
This system is restricted to authorized users for business purposes. Unauthorized access is a violation of the law. This service may be monitored for administrative and security reasons. By proceeding, you consent to this monitoring.

User CISCO15 logged in from 64.103.228.115 */

;RTRV-ALM-ALL:::123;

```

206 2000-12-15 23:43:38
123 COMPLD
"SLOT-11,EQPT:MN,EQPT,NSA,12-04,03-26-24,NEND,NA:"Equipment Failure",TCC"
"LINEWL-17-4-RX-1530.33,OCH:CR,LOS-P,SA,12-09,02-55-16,NEND,NA:"Incoming Payload Signal Absent",40-SMR1-C
"LINEWL-17-4-RX-1531.90,OCH:CR,LOS-P,SA,12-09,02-57-20,NEND,NA:"Incoming Payload Signal Absent",40-SMR1-C
"LINE-17-5-TX,OTS:CR,OPWR-LFAIL,SA,12-09,02-55-19,NEND,NA:"Optical Power Failure Low",40-SMR1-C"
"LINE-17-1-TX,OTS:MN,APC-OUT-OF-RANGE,NSA,12-15,22-55-33,NEND,NA:"APC Cannot Set Value Due To Range Limits",40-SMR1-C"

```

Syntax:

ACT-USER:[<TID>]:<uid>:<CTAG>::<pid>;

ACT-USER::CISCO15:123::*****;

206 2000-12-15 23:43:21

```

M 123 COMPLD
"CISCO15:2000-12-15 23-42-43,2000-12-15 23-15-04,0"
;

```

206 2000-12-15 23:43:21

```

A 0 REPT EVT SESSION
"206:NO,"
/* TL1 Agent Copyright (c) 1999-2007 Cisco Systems, Inc.

```

WARNING

This system is restricted to authorized users for business purposes. Unauthorized access is a violation of the law. This service may be monitored for administrative and security reasons. By proceeding, you consent to this monitoring.

User CISCO15 logged in from 64.103.228.115 */

;

User CISCO15 logged in from 10.105.142.206 */

;RTRV-ALM-ALL:::123;

206 2000-12-15 23:47:04

```

M 123 COMPLD
"SLOT-11,EQPT:MN,EQPT,NSA,12-04,03-26-24,NEND,NA:"Equipment Failure",TCC"
"LINEWL-17-4-RX-1530.33,OCH:CR,LOS-P,SA,12-09,02-55-16,NEND,NA:"Incoming Payload Signal Absent",40-SMR1-C"
"LINEWL-17-4-RX-1531.90,OCH:CR,LOS-P,SA,12-09,02-57-20,NEND,NA:"Incoming Payload Signal Absent",40-SMR1-C"
"LINE-17-5-TX,OTS:CR,OPWR-LFAIL,SA,12-09,02-55-19,NEND,NA:"Optical Power Failure Low",40-SMR1-C"
"LINE-17-1-TX,OTS:MN,APC-OUT-OF-RANGE,NSA,12-15,22-55-33,NEND,NA:"APC Cannot Set Value Due

```

To Range Limits\",40-SMR1-C"

Step 3. From the syntax, change the TID and to ACT-USER login for remote node which you want to login. For other commands too you need to use TID value i.e. remote node name.

```
> ACT-USER:WXC-207:CISCO15:123::*****;
WXC-207 2004-06-03 18:50:20
M 123 COMPLD
"CISCO15:2004-06-03 18-23-24,2004-06-03 16-35-48,0"
;
>
WXC-207 2004-06-03 18:50:20
A 0 REPT EVT SESSION
"WXC-207:NO,"
/* TL1 Agent Copyright (c) 1999-2007 Cisco Systems, Inc.

WARNING
This system is restricted to authorized users for business purposes. Unauthorized
access is a violation of the law. This service may be monitored for administrative
and security reasons. By proceeding, you consent to this monitoring.

User CISCO15 logged in from 10.105.142.206 */
;RTRV-ALM-ALL:123;
206 2000-12-15 23:47:04
M 123 COMPLD
"SLOT-11,EQPT:MN,EQPT,NSA,12-04,03-26-24,NEND,NA:\"Equipment Failure\",TCC"
"LINEWL-17-4-RX-1530.33,OCH:CR,LOS-P,SA,12-09,02-55-16,NEND,NA:\"Incoming Payload Signal Absent\",40-SMR1-C"
"LINEWL-17-4-RX-1531.90,OCH:CR,LOS-P,SA,12-09,02-57-20,NEND,NA:\"Incoming Payload Signal Absent\",40-SMR1-C"
"LINE-17-5-TX,OTS:CR,OPWR-LFAIL,SA,12-09,02-55-19,NEND,NA:\"Optical Power Failure Low\",40-SMR1-C"
"LINE-17-1-TX,OTS:MN,APC-OUT-OF-RANGE,NSA,12-15,22-55-33,NEND,NA:\"APC Cannot Set Value Due To Range Limits
\",40-SMR1-C"
;
>RTRV-ALM-ALL:WXC-207::123;
WXC-207 2004-06-03 18:50:54
M 123 COMPLD
"SLOT-11,EQPT:MN,PROTNA,NSA,05-21,21-55-10,NEND,NA:\"Protection Unit Not Available\",TCC"
"BITS-1,BITS:MN,LOS,NSA,05-21,21-55-25,NEND,RCV:\"Loss Of Signal\","
"BITS-2,BITS:MN,LOS,NSA,05-21,21-55-25,NEND,RCV:\"Loss Of Signal\","
"SYNC-NE,SYNCR:MJ,SYNCPRI,SA,05-21,21-55-25,NEND,NA:\"Primary Synchronization Reference Failure\","
"SYNC-NE,SYNCR:MJ,SYNCPRI,SA,05-21,21-55-25,NEND,NA:\"Secondary Synchronization Reference Failure\","
"PWR-A,EQPT:MN,BAT-FAIL,NSA,05-21,21-55-18,NEND,NA:\"Battery Failure\","
;
```

Change the TID value with the "node name".Here it is "WXC-207"

logged in remote node "WXC-207" from node "206"

confirmation message for login from remote node

Insert correct TID value to query for particular node

```
> ACT-USER:WXC-207:CISCO15:123::*****;
```

```
WXC-207 2004-06-03 18:50:20
M 123 COMPLD
"CISCO15:2004-06-03 18-23-24,2004-06-03 16-35-48,0"
;
>
```

```
WXC-207 2004-06-03 18:50:20
A 0 REPT EVT SESSION
"WXC-207:NO,"
/* TL1 Agent Copyright (c) 1999-2007 Cisco Systems, Inc.
```

WARNING
This system is restricted to authorized users for business purposes. Unauthorized access is a violation of the law. This service may be monitored for administrative and security reasons. By proceeding, you consent to this monitoring.

User CISCO15 logged in from 10.105.142.206 */

For other commands as shown in the example, you need to enter the respective TID values i.e. node name as **WXC-207**:

```
> RTRV-ALM-ALL:WXC-207::123;
WXC-207 2004-06-03 18:50:54
M 123 COMPLD
"SLOT-11,EQPT:MN,PROTNA,NSA,05-21,21-55-10,NEND,NA:\"Protection Unit Not Available\",TCC"
"BITS-1,BITS:MN,LOS,NSA,05-21,21-55-25,NEND,RCV:\"Loss Of Signal\","
"BITS-2,BITS:MN,LOS,NSA,05-21,21-55-25,NEND,RCV:\"Loss Of Signal\","
```

```
"SYNC-NE,SYNCN:MJ,SYNCPRI,SA,05-21,21-55-25,NEND,NA:\"Primary Synchronization Reference Failure\","
```

```
"SYNC-NE,SYNCN:MN,SYNCSEC,NSA,05-21,21-55-25,NEND,NA:\"Secondary Synchronization Reference Failure\","
```

```
"PWR-A,EQPT:MN,BAT-FAIL,NSA,05-21,21-55-18,NEND,NA:\"Battery Failure\","
```

```
;
```

Even if you are logged-in to the remote node, you can navigate in any other connected node and change TID for remotes and keep it as blank as TID for local nodes.