

75- Distributed Service Configuration Commands

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75.1 Distributed Service Configuration Command Tree

Description

This chapter gives an overview of nodes that are handled by "Distributed Service Configuration Commands".

Command Tree

```
----configure
  ----[no] dist-service
    - (service-id)
    - [no] service-type
    - [no] qos-profile
  ----[no] sdp
    - (spoke-sdp-id)
    - egress-vc-label
    - ingress-vc-label
  ----apipe-sdp
    - (spoke-sdpid)
    - [no] max-cells
    - [no] max-delay
  ----[no] apipe-pvc
    - (atm-pvc)
    - in-mapped-vpi
    - in-mapped-vci
    - out-mapped-vpi
    - out-mapped-vci
```

75.2 Distributed Service Configuration Command

Command Description

This command allows the operator to configure a distributed service.

User Level

The command can be accessed by operators with drouter privileges, and executed by operators with drouter privileges.

Command Syntax

The command has the following syntax:

```
> configure dist-service (service-id) [ no service-type | service-type <Drouter::ServiceType> ] [ no qos-profile | qos-profile <Qos::QosSessionProfileName> ]
```

Command Parameters

Table 75.2-1 "Distributed Service Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(service-id)	Format: - Service ID - range: [1...2147483647]	Service Identifier

Table 75.2-2 "Distributed Service Configuration Command" Command Parameters

Parameter	Type	Description
[no] service-type	Parameter type: <Drouter::ServiceType> Format: (unknown epipe p3pipe tls vprn ies mirror apipe fpipe ipipe cpipe) Possible values: - unknown : unknown - epipe : epipe - p3pipe : p3pipe - tls : tls - vprn : vprn - ies : ies - mirror : mirror	<i>optional parameter with default value: "apipe"</i> Service type to be configured

Parameter	Type	Description
	<ul style="list-style-type: none"> - apipe : apipe - fpipe : fpipe - ipipe : ipipe - cpipe : cpipe 	
[no] qos-profile	Parameter type: <Qos::QosSessionProfileName> Format: (none name : <Qos::IgnoredQosProfileName>) Possible values: - none : no profile name to associate - name : enter profile name to be associated Data driven field type Possible values are depending on the actual configuration and software. The currently allowed values can be shown with online-help.	<i>optional parameter with default value: "none"</i> qos profile attached to the service

75.3 SDP Binding Configuration Command

Command Description

This command allows the operator to associate an SDP (typically corresponding to an MPLS tunnel) to a service.

User Level

The command can be accessed by operators with drouter privileges, and executed by operators with drouter privileges.

Command Syntax

The command has the following syntax:

```
> configure dist-service (service-id) ( no sdp (spoke-sdp-id) ) | ( sdp (spoke-sdp-id) egress-vc-label  
<Drouter::EgressLabel> ingress-vc-label <Drouter::IngressLabel> )
```

Command Parameters

Table 75.3-1 "SDP Binding Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(service-id)	Format: - Service ID - range: [1...2147483647]	Service Identifier
(spoke-sdp-id)	Format: id : <Drouter::SdpId> Possible values: - id : SDP ID Field type <Drouter::SdpId> - SDP ID - range: [1...17407]	SDP Identifier

Table 75.3-2 "SDP Binding Configuration Command" Command Parameters

Parameter	Type	Description
egress-vc-label	Parameter type: <Drouter::EgressLabel> Format: - MPLS Egress label - range: [1...1048575]	<i>mandatory parameter</i> MPLS label used by this device to send packets out
ingress-vc-label	Parameter type: <Drouter::IngressLabel> Format: - MPLS ingress label - range: [2048...18431]	<i>mandatory parameter</i> MPLS label used by the far-end device

75.4 APIPE SDP Binding Configuration Command

Command Description

This command allows the operator to configure the particular association between an SDP (typically corresponding to an MPLS tunnel) and an APIPE service, including the specific handling of upstream cell concatenation. It is used to configure an ATM Pseudowire on a linecard.

User Level

The command can be accessed by operators with drouter privileges, and executed by operators with drouter privileges.

Command Syntax

The command has the following syntax:

```
> configure dist-service (service-id) apipe-sdp (spoke-sdpid) [ no max-cells | max-cells <Drouter::MaxCells> ] [ no max-delay | max-delay <Drouter::MaxDelay> ]
```

Command Parameters

Table 75.4-1 "APIPE SDP Binding Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(service-id)	Format: - Service ID - range: [1...2147483647]	Service Identifier
(spoke-sdpid)	Format: id : <Drouter::SdpId> Possible values: - id : SDP ID Field type <Drouter::SdpId> - SDP ID - range: [1...17407]	SDP Identifier

Table 75.4-2 "APIPE SDP Binding Configuration Command" Command Parameters

Parameter	Type	Description
[no] max-cells	Parameter type: <Drouter::MaxCells> Format: - Maximum number of ATM cells to accumulate into a MPLS packet - range: [1...8]	<i>optional parameter with default value: 1</i> Maximum number of ATM cells to accumulate into a MPLS packet
[no] max-delay	Parameter type: <Drouter::MaxDelay> Format: - Maximum amount of time to wait while performing ATM cell concatenation into an MPLS packet - unit: msec - range: [1...10]	<i>optional parameter with default value: 4</i> Maximum amount of time to wait while performing ATM cell concatenation into an MPLS packet

75.5 VCL Binding Configuration Command

Command Description

This command allows the operator to configure an ATM cross-connect between an ATM PVC on the DSL line and the ATM VPI/VCI value used in an ATM Pseudowire.

User Level

The command can be accessed by operators with drouter privileges, and executed by operators with drouter privileges.

Command Syntax

The command has the following syntax:

```
> configure dist-service (service-id) ( no apipe-pvc (atm-pvc) ) | ( apipe-pvc (atm-pvc) in-mapped-vpi
<Drouter::InMappedVpi> in-mapped-vci <Drouter::InMappedVci> out-mapped-vpi <Drouter::OutMappedVpi>
out-mapped-vci <Drouter::OutMappedVci> )
```

Command Parameters

Table 75.5-1 "VCL Binding Configuration Command" Resource Parameters

Resource Identifier	Type	Description
(service-id)	Format: - Service ID - range: [1...2147483647]	Service Identifier
(atm-pvc)	Format: (<Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId> : <Eqpt::VpiId> : <Eqpt::VciId> <Eqpt::RackId> / <Eqpt::ShelfId> / <Eqpt::SlotId> / <Eqpt::PortId>) Field type <Eqpt::RackId> - the rack number Field type <Eqpt::ShelfId> - the shelf number Field type <Eqpt::SlotId> - the LT slot number Field type <Eqpt::PortId> - the port number Field type <Eqpt::VpiId> - atm VPI Field type <Eqpt::VciId> - atm VCI	atm pvc index

Table 75.5-2 "VCL Binding Configuration Command" Command Parameters

Parameter	Type	Description
in-mapped-vpi	Parameter type: <Drouter::InMappedVpi> Format:	<i>mandatory parameter</i> atm innmapped vpi value for the

Parameter	Type	Description
	- In-mapped VPI - range: [0...255]	apipe service
in-mapped-vci	Parameter type: <Drouter::InMappedVci> Format: - In-mapped VCI - range: [32...65535]	<i>mandatory parameter</i> atm inmapped vci value for the apipe service
out-mapped-vpi	Parameter type: <Drouter::OutMappedVpi> Format: - Out-mapped VPI - range: [0...255]	<i>mandatory parameter</i> atm outmapped vpi value for the apipe service
out-mapped-vci	Parameter type: <Drouter::OutMappedVci> Format: - Out-mapped VCI - range: [32...65535]	<i>mandatory parameter</i> atm outmapped vci value for the apipe service