

56- Application Intelligence Configuration Commands

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56.1 Application Intelligence Configuration

Command Tree

Description

This chapter gives an overview of nodes that are handled by "Application Intelligence Configuration Commands".

Command Tree

```
----configure
  ----ai
    ----[no] application
      - (application)
      - [no] uri
    ----[no] platform
      - (slot)
      - virtualplatform
      - [no] adminstate
      - [no] oamadminstate
      - [no] mngtvlan
      - [no] ipaddresstype
      - [no] ipaddressandmask
      - [no] defaultgateway
    ----[no] application
      - (application)
      - [no] adminstate
```

56.2 Application configuration command

Command Description

This command is used to register an Application and the Uniform Resource Identifier (URI) from where it can be downloaded.

Obviously a correct URI is essential to have a successful download.

Typical examples for a URI: http://<some-address> or ftp://<some-address>

The system does not perform a URI syntax / semantic check at Application configuration time.

Instead the URI will be used only at the time an Application is configured to be installed on a specific AI Platform and failures will be reported at that time.

Note that this data can not be changed when the Application is planned for download and installation on an AI Platform.

User Level

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

Command Syntax

The command has the following syntax:

```
> configure ai ( no application (application) ) | ( application (application) [ no uri | uri <AI::Uri> ] )
```

Command Parameters

Table 56.2-1 "Application configuration command" Resource Parameters

Resource Identifier	Type	Description
(application)	Format: - a name for the Application - range: [a-zA-Z0-9!#\$%&()*+-./:;=?@[_~] - length: 1<=x<=31	The name of the Application

Table 56.2-2 "Application configuration command" Command Parameters

Parameter	Type	Description
[no] uri	Parameter type: <AI::Uri> Format: - a uri name - range: [a-zA-Z0-9!#\$%&()*+-./:;=?@[_~] - length: x<=255	<i>optional parameter with default value: ""</i> name of the Uniform Resource Identifier (URI). Typical examples for a URI: http://<some-address> or ftp://<some-address>

56.3 AI Platform configuration command

Command Description

This command is used to administratively (un)lock an AI Platform and to configure the parameters that will allow external OAM access to it.

Unlocking the platform causes the platform to start up.

Locking the AI Platform results in bringing it down which means also that all Applications are down.

Note that a modify of OAM parameters requires the locking of the external OAM parameters which makes the external OAM access unavailable.

User Level

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

Command Syntax

The command has the following syntax:

```
> configure ai ( no platform (slot) virtualplatform <AI::VirtualPlatform> ) | ( platform (slot) virtualplatform
<AI::VirtualPlatform> [ no adminstate | adminstate <AI::AdminState> ] [ no oamadminstate | oamadminstate
<AI::AdminState> ] [ no mngtvlan | mngtvlan <Vlan::VlanNameIndex> ] [ no ipaddresstype | ipaddresstype
<AI::IpAddressType> ] [ no ipaddressandmask | ipaddressandmask <Ip::AddressAndMask> ] [ no defaultgateway |
defaultgateway <Aaa::InetAddress> ] )
```

Command Parameters

Table 56.3-1 "AI Platform configuration command" Resource Parameters

Resource Identifier	Type	Description
(slot)	Format: (nt-a nt-b) Possible values: - nt-a : nt-a slot - nt-b : nt-b slot	slot Id of the AI Platform
virtualplatform	Parameter type: <AI::VirtualPlatform> Format: - AI Virtual Platform Index within the Slot - range: [1]	virtual Id within the slot of the AI Platform

Table 56.3-2 "AI Platform configuration command" Command Parameters

Parameter	Type	Description
[no] adminstate	Parameter type: <AI::AdminState> Format: (unlocked locked) Possible values:	<i>optional parameter with default value: "locked"</i> determines if the AI Platform shall be started up

Parameter	Type	Description
	<ul style="list-style-type: none"> - unlocked : The identified resource is allowed to be used - locked : The identified resource is not allowed to be used 	
[no] oamadminstate	Parameter type: <AI::AdminState> Format: (unlocked locked) Possible values: <ul style="list-style-type: none"> - unlocked : The identified resource is allowed to be used - locked : The identified resource is not allowed to be used 	<i>optional parameter with default value: "locked"</i> determines if an external OAM mngt interface shall be provided
[no] mngtvlan	Parameter type: <Vlan::VlanNameIndex> Format: <ul style="list-style-type: none"> - vlan id - range: [1...4093] 	<i>optional parameter with default value: "4093"</i> management VLAN providing external OAM access to the AI Platform
[no] ipaddresstype	Parameter type: <AI::IpAddressType> Format: ipv4 Possible values: <ul style="list-style-type: none"> - ipv4 : ipv4 	<i>optional parameter with default value: "ipv4"</i> the type of the IP address within the ipaddressandmask and the defaultgateway parameters
[no] ipaddressandmask	Parameter type: <Ip::AddressAndMask> Format: <Ip::V4Address> / <Ip::PrefixLength> Field type <Ip::V4Address> <ul style="list-style-type: none"> - IPv4-address Field type <Ip::PrefixLength> <ul style="list-style-type: none"> - IP address prefix length - range: [0...30] 	<i>optional parameter with default value: "0.0.0.0/0"</i> OAM IP address to access the AI Platform
[no] defaultgateway	Parameter type: <Aaa::InetAddress> Format: <ul style="list-style-type: none"> - IPv4-address 	<i>optional parameter with default value: "0.0.0.0"</i> default gateway IP address

56.4 Application 'download and installation' configuration command

Command Description

This command is used to configure the Applications to be downloaded and installed on a specified AI Platform.

User Level

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

Command Syntax

The command has the following syntax:

```
> configure ai platform (slot)virtualplatform <AI::VirtualPlatform> ( no application (application) ) | ( application (application) [ no adminstate | adminstate <AI::AdminState> ] )
```

Command Parameters

Table 56.4-1 "Application 'download and installation' configuration command" Resource Parameters

Resource Identifier	Type	Description
(slot)	Format: (nt-a nt-b) Possible values: - nt-a : nt-a slot - nt-b : nt-b slot	slot Id of the AI Platform
virtualplatform	Parameter type: <AI::VirtualPlatform> Format: - AI Virtual Platform Index within the Slot - range: [1]	virtual Id within the slot of the AI Platform
(application)	Format: - a name for the Application - range: [a-zA-Z0-9!#\$%&()*+-./:;=?@[]_~] - length: 1<=x<=31	the unique Application name

Table 56.4-2 "Application 'download and installation' configuration command" Command Parameters

Parameter	Type	Description
[no] adminstate	Parameter type: <AI::AdminState> Format: (unlocked locked) Possible values: - unlocked : The identified resource is allowed to be used	<i>optional parameter with default value: "locked"</i> determines if the Application shall be downloaded and installed

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Parameter	Type	Description
	- locked : The identified resource is not allowed to be used	