

## Chapter 7

# AIS License Management

This chapter describes the licenses and services required to get full functionality from Advanced Insight Solutions (AIS). For the latest AIS licensing information, see your AIS sales representative.

This chapter also describes how to activate and manage AIS licenses and subscriptions using the Advanced Insight Manager (AIM).

AIM Admin privileges are required for all License Management tasks.

This chapter includes the following sections:

- Licensing and Services Required for AIS Elements on page 57
- Juniper Networks Device Classes on page 59
- AIM License Management on page 59
- Managing Device Capacity Licenses on page 62
- Managing AIS Service Subscriptions on page 63

## Licensing and Services Required for AIS Elements

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AIS consists of the following three distinct elements. With the exception of AI-Scripts, each element requires licensing, JSS support, or subscription services:

- AI-Scripts (see “AI-Scripts” on page 57)
- Advanced Insight Manager (see “AIM Licensing” on page 58)
- Juniper Support Systems (see “Juniper Support Systems” on page 58)

### **AI-Scripts**

AI-Scripts are installed and activated on devices or routing platforms on your network. They detect incident and intelligence events and report them to archive locations so AIM can collect and manage them. AI-Scripts are free and require no licensing. For more information about configuring Juniper Networks devices to run AI-Scripts and for installation instructions, see “Installing and Understanding AI-Scripts” on page 35.

## AIM Licensing

AIM requires a combination of feature and capacity licenses to achieve full functionality.



**NOTE:** AIM licenses do not provide access to AIS Base or AIS Proactive services needed for full functionality of the Advanced Insight Solutions (AIS) product. For full functionality of the Advanced Insight Solutions product, you need AIM licenses and subscriptions to AIS Proactive services.

AIM operates in fully functional, demo mode for 60 days. The demo mode allows AIM to support one multi-site organization and monitor five devices.

AIM requires the following licenses and a valid maintenance support contract described in Table 19.

**Table 19: AIM Licenses and Services**

License/Service Component	Description	Required/Optional
Base Product	Required to use AIM beyond a 60-day demo period. Allows the operation of Incident Manager and Intelligence Manager and the creation of one organization.	Required
Feature Licenses	Allows the operation of key AIM feature offerings. For example, the Multi-Site (Organizations) feature license is required for the creation of more than one organization within AIM.	Optional
Capacity Licenses	Required to increase the number of devices supported by AIM. Capacity licenses are available in bundles of 25, 50, and 100 devices. The maximum capacity for each AIM installation is 1000 devices.	Required
Maintenance Service	A support contract is required for AIM base product and feature phone support, which includes software upgrades and updates (see your AIS sales representative).	Optional

## Juniper Support Systems

Juniper Support Systems (JSS) validates licensing, receives incident case requests, resolves incidents, analyzes and sends intelligence updates to prevent incidence occurrence.

JSS requires service subscriptions described in Table 20.

**Table 20: AIS Service Subscriptions**

License/Service Component	Description	Required/Optional
AIS Base Service (Incident-Driven Online Service)	An annual subscription is required for full functionality of AIM with JSS for incident analysis and resolution.	Optional
AIS Proactive Service (Intelligence-Driven Online Service)	An annual subscription is required for full functionality of AIM with JSS for intelligence information analysis and information updates.	Optional

## Juniper Networks Device Classes

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AIS device capacity licensing is provided for the following Juniper Networks device classes:

- Class 1—Customer Premises Equipment (CPE) and branch devices (J-series, M7i, M10i, M20, M120, EX-3200, EX4200)
- Class 2—Edge and Aggregation devices (M40, M40e, M160, M320, MX240, MX480, MX960)
- Class 3—Core devices (T320, T640, T1600, and TX-Matrix)

## AIM License Management

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AIM License Management lets you load a license management file representing all purchased AIM product elements.

The AIM License Management page displays:

- The AIM product serial number and the install ID
- The AIM feature licenses purchased
- The availability and number of devices purchased and the number of devices in use.
- The total number of services licenses purchased and the number of devices currently managed.

This section includes the following information:

- “Activating AIS Licensing in AIM” on page 59
- “Managing AIM Licensing” on page 60
- “Managing Device Capacity Licenses” on page 62
- “Managing AIS Service Subscriptions” on page 63

## Activating AIS Licensing in AIM

To activate AIS licensing in AIM, follow these steps:

1. Purchase the required AIS subscription services and AIM licenses for the appropriate amounts and classes of devices to be supported. See the Juniper Networks representative.
2. Install AIM. See “Installing Advanced Insight Manager” on page 23. AIM generates an install ID that you need to tell JSS to receive a license file.

Contact Juniper Networks to purchase AIM licenses and service contracts.

3. Copy the AIM license file to the AIM install directory.

4. Log in to AIM as an admin user. See “Connecting to the AIM Application and Logging In” on page 32.
5. In AIM, click the Settings tab, then click License Management in the navigation area. The License Management page appears.

### License Management

Serial Number:

9988776655

Install ID:

AAA-BBB-CCC-DDD

Features

SKU	Description	Status
AIM-BASE-SW	Base Product	Enabled
AIM-MS	Multi-site	Enabled

6. On the License Management page, click Load License File. The license file is imported into AIM. This action activates the features the license supports.

Licensing is dynamic. Whenever you add a new AIM license, the functionality it enables is available without having to restart AIM.

For more information about managing licenses and services in AIM, see the following:

- “Managing AIM Licensing” on page 60
- “Managing Device Capacity Licenses” on page 62
- “Managing AIS Service Subscriptions” on page 63

## Managing AIM Licensing

The AIM License Management page provides a point from which you can:

- Load the AIM license file that you receive from Juniper Networks.
- View the AIM serial number read from the license file.
- View the AIM installation ID number.
- View the AIM feature and capacity licenses purchased.

## Managing AIM Feature Licenses

To view AIM feature and feature capacity licenses, do the following:

- Click the Settings tab, then click License Management in the navigation area. The License Management page appears.

### License Management

Load License File	
Serial Number:	9988776655
Install ID:	AAA-BBB-CCC-DDD

#### Features

SKU	Description	Status
AIM-BASE-SW	Base Product	Enabled
AIM-MS	Multi-site	Enabled

For a description of the license management page elements, see “License Management Page Element Descriptions” on page 61.

## License Management Page Element Descriptions

Table 21 describes the License Management page elements.

**Table 21: License Manager Command Buttons and Field Descriptions**

Element Name	Description	Privileges
Load License File button	Loads the license file sent to you by Juniper Networks. The license file includes all of the shelf keeping units (SKUs) or parts of the AIM product purchased.	AIM Admin
AIM Serial Number display field	Displays the AIM serial number read from the license file.	AIM Admin
AIM Install ID display field	Displays the AIM installation ID generated after successfully installing the application.	AIM Admin

Table 22 describes the AIM Features table columns.

**Table 22: AIM License Manager Features Table Columns**

Name	Description	Privileges
SKU	Shelf keeping unit code that identifies the AIM product ordered	AIM Admin
Description	Description of the SKU ordered	AIM Admin
Status	Whether the SKU is enabled or disabled	AIM Admin

## AIM Feature License Messages

In AIM demo mode, the following message displays in the License Manager page to keep you informed of how much time is left before expiration:

The Advanced Insight Manager is running in fully functional demo mode. There are XX days until expiration.

Where XX indicates the number of days left before AIM demo mode expiration.

## Managing Device Capacity Licenses

The Capacity License page Summary of Current Usage table displays the total device class licenses purchased and the number of devices currently in use. The Capacity Licenses table displays the specific license SKUs purchased and the total device capacity of each one.

Juniper Support Services has the knowledge of whether or not to accept or reject the case or intelligence messages based on the service contracts.

To view the Capacity License page, do the following:

- Click the Settings tab, then click Capacity Licenses (under License Management) in the navigation area. The Capacity Licenses page appears.

For example, this customer can manage 200 devices of each device class. The customer is only using AIM to manage four Class 1 devices.

### Capacity Licenses

Summary of Current Usage

Device Class Type	Licensed Capacity	Actual Usage
C1	200	4
C2	200	0
C3	200	0

Capacity Licenses

SKU	Count	Total Capacity
AIM-ADD-C1-200	1	200
AIM-ADD-C2-200	1	200
AIM-ADD-C3-200	1	200

The SKUs are found in the AIM license file.

For a description of the Summary of Current Usage table and the Capacity License table columns, see “Capacity Licenses Table Column Descriptions” on page 62.

## Capacity Licenses Table Column Descriptions

Table 23 describes the columns in the Summary of Current Usage table.

**Table 23: Summary of Current Usage Table Column Descriptions**

Name	Description
Device Class Type	Identifies the Juniper Networks device class. See “Juniper Networks Device Classes” on page 59.
License Capacity	The number of devices that can be monitored in a device class.
Actual Usage	The number of devices of this class being monitored by AIM.

Table 24 describes the columns in the Capacity Licenses table.

**Table 24: Capacity Licenses Table Column Descriptions**

Name	Description
SKU	Shelf keeping unit (SKU) code that identifies the AIS capacity product ordered
Count	The number of capacity licenses purchased
Total Capacity	Total number of devices that can be monitored by AIM for that device class

### AIM Device Capacity Licenses Messages

The following message displays in the Capacity Licenses page when device capacity exceeds 100 % usage, the following warning message appears:

Device Capacity Exceeded for Device Class C3. Additional AIM-ADD-C3-n license required. Please contact Juniper Support to Purchase more licenses.

### Managing AIS Service Subscriptions

The Services Licenses page Summary of Current Service Usage table displays the type of service subscription, the device classes allowed to participate in the AIS service, the total number for devices that can be monitored using the service, and the total number of devices actually being monitored using the service. The Service Licenses table displays the AIS service licenses purchased, including the start and end date for each.

To view the Service Licenses page, do the following:

- Click the Settings tab, then click Services Licenses (under License Management in the navigation area). The Service License pages appears.

Summary of Current Service Usage

Service Type	Organization (s)	Device Class Type	Total Capacity	Total Usage
PRO	Atlas (46579)	C1	10	7
PRO	Empire (46579)	C1	5	7
PRO	Fox Networks (87539)	C1	10	4
PRO	Gravity Works (69351)	C1	5	6
PRO	Remote (88877)	C2	10	10

Service Licenses

SKU	Organization(s)	Start Date	End Date
SVC-AIS-PRO-ADD-C2-10	Atlas (46579)	2007-12-01 03:00:00	2008-12-01 03:00:00
SVC-AIS-PRO-ADD-C3-10	Empire (46579)	2007-12-01 03:00:00	2008-12-01 03:00:00
SVC-AIS-PRO-ADD-C1-10	Fox Networks (87539)	2007-12-01 03:00:00	2008-12-01 03:00:00
SVC-AIS-PRO-ADD-C3-5	Gravity Works (69351)	2007-12-01 03:00:00	2008-12-01 03:00:00
SVC-AIS-PRO-ADD-C1-5	Remote (88877)	2007-12-01 03:00:00	2008-12-01 03:00:00

For more information about the Summary of Current Service Usage table and the Service Licenses table, see “Service Licenses Table Column Descriptions” on page 64.

## Service Licenses Table Column Descriptions

Table 25 describes the columns in the Summary of Current Usage table.

**Table 25: Summary of Current Service Usage Table Column Descriptions**

Name	Description	Default
Service Type	Identifies the AIS service subscription type purchased.	Display only column
Device Class Type	Identifies the Juniper Networks device classes to be monitored. See “Juniper Networks Device Classes” on page 59	Display only column
Total Capacity	The total number of devices that can be monitored by the AIS service.	Display only column
Total Usage	The total number of devices currently being monitored	Display only column



Table 26 describes the columns in the Summary of Current Usage table.

**Table 26: Summary of Current Service Usage Table Column Descriptions**

Name	Description	Default
SKU	Shelf Keeping Unit that identifies the name of the AIS service subscription purchased.	Display only column
Start Date	The date the AIS service subscription was purchases	Display only column
End Date	The expiration date of the AIS service subscription	Display only column

### Service License Messages

When the AIS service capacity exceeds 100 % usage, the following warning message appears on the Service License page:

Device Capacity Exceeded for PRO Support of Device Class C1. Additional SVC-AIS-PRO-ADD-C1-n license required.

Please contact Juniper Support to Purchase more licenses.

