

Intro to Wonderware 2017 Licensing

Dave VanLandingham

David Anderson

The Schneider Electric industrial software business and AVEVA have merged to trade as AVEVA Group plc, a UK listed company.
The Schneider Electric and Life Is On trademarks are owned by Schneider Electric and are being licensed to AVEVA by Schneider Electric.

Confidential Property of AVEVA Group plc.

Life Is On

Schneider
Electric

Advantages

- Concurrent client licensing by default
- No more deciding between PC vs terminal server
- Can manage plant licenses from one interface
- Can put all licenses in one (redundant) pool so no pre-allocation
- Can reserve licenses by PC or by user
- Can see which licenses are in use by PC/user

Simplification of Wonderware Policy

- No more dongles / hardware keys
- No more special Remote Desktop Server licenses
 - Exception: InTouch RDS Read-Only
- No more platform licenses
 - Platforms still exist, but are not counted against a license
- Concurrent clients by default
 - No separate Per Device, Per Named Device, or Per Named User licenses

New Licensing System

- Used by System Platform 2017
 - InTouch HMI and OMI
 - Application Server
 - Historian
 - Historian Client
- Also
 - OI Servers
 - Recipe Manager Plus
 - Alarm Adviser
 - Intelligence

Licensing for Older Versions

- Still use .lic files
 - System Platform 2014 R2 SP1 and older
 - DA servers
- OI Servers can use either activation licensing or .lic files

Licensing Deliverables

- XML file
 - Or a ZIP containing an XML file
 - Just a list of licenses to activate
- ArcestrA.lic / wwsuite.lic
 - For older versions or not-yet-updated software
- Getting Started with Schneider Electric Licensing Guide


Licensing Software

- Two major components
- License Manager
 - Website to view and manage the licenses
- License Server
 - Serves the licenses to Wonderware software

License Server Installation

Wonderware System Platform 2017 Installation

Select the option(s) you would like to install.



Select the product(s) to be installed

<input checked="" type="checkbox"/> Wonderware Application Server <ul style="list-style-type: none"><input checked="" type="checkbox"/> Application Server and InTouch OMI Runtime<input checked="" type="checkbox"/> Application Server Development<input checked="" type="checkbox"/> Application Server Galaxy Repository<input checked="" type="checkbox"/> PDF Documentation	<p>Historian Client provides rich data analysis and reporting capabilities to maximize the value of your information stored in the Historian. It offers tight integration with the ArchestrA namespace and with Microsoft Office components.</p>
<input checked="" type="checkbox"/> Wonderware InTouch <ul style="list-style-type: none"><input checked="" type="checkbox"/> InTouch Development and Runtime<input checked="" type="checkbox"/> InTouch Runtime Only	
<input type="checkbox"/> InTouch Access Anywhere and InTouch Runtime	
<input type="checkbox"/> InTouch Access Anywhere Secure Gateway	
<input checked="" type="checkbox"/> Historian	
<input checked="" type="checkbox"/> Historian Client <ul style="list-style-type: none"><input checked="" type="checkbox"/> Trend/Query Clients<input checked="" type="checkbox"/> Microsoft Office (32 Bit) Addins<input checked="" type="checkbox"/> PDF Documents	
<input type="checkbox"/> Licensing <ul style="list-style-type: none"><input type="checkbox"/> Schneider Electric License Manager<input type="checkbox"/> Schneider Electric License Server	

[View Install Guide](#) [< Back](#) [Next >](#) [Cancel](#)

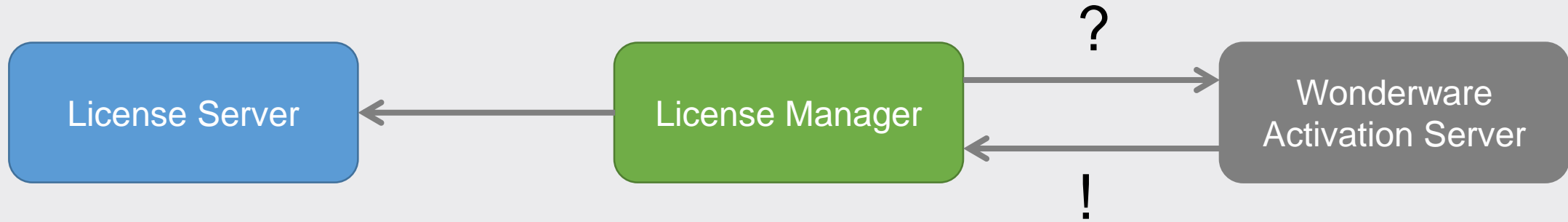
Activation Licensing

- Licenses have to be activated
- Register with Wonderware servers over the Internet
- Internet? => Online activation
- No Internet? => Offline activation

Online Activation

- Easy – see TN1395
 - Access License Manager
 - Reference the XML file
 - Select the licenses to activate
 - ACTIVATE!
- License Manager needs Internet access at only activation time
 - Does not call home on a regular basis

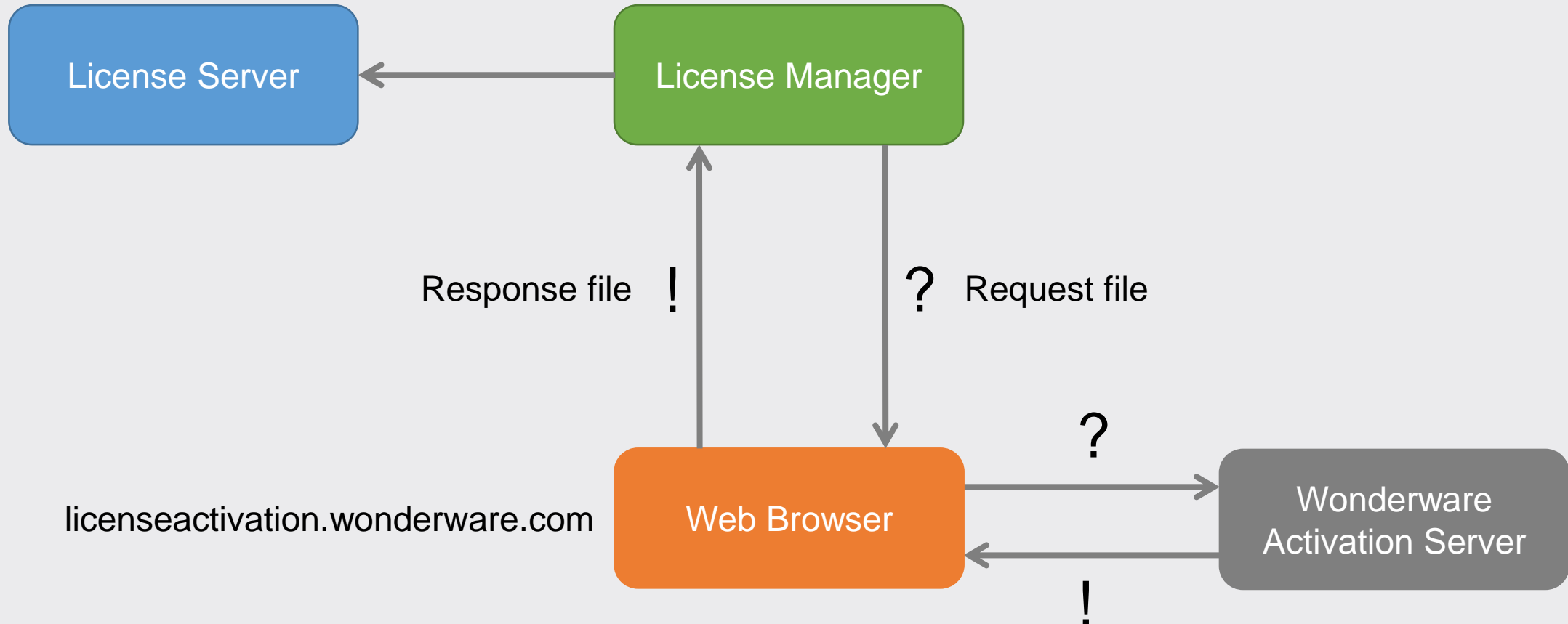
Online Activation



Offline Activation

- A few more steps – see TN1396
- Big differences:
 - Walk an activation file over to an Internet-enabled computer
 - Upload file to Wonderware site
 - Download response file
 - Walk the response file over to the Wonderware computer

Offline Activation



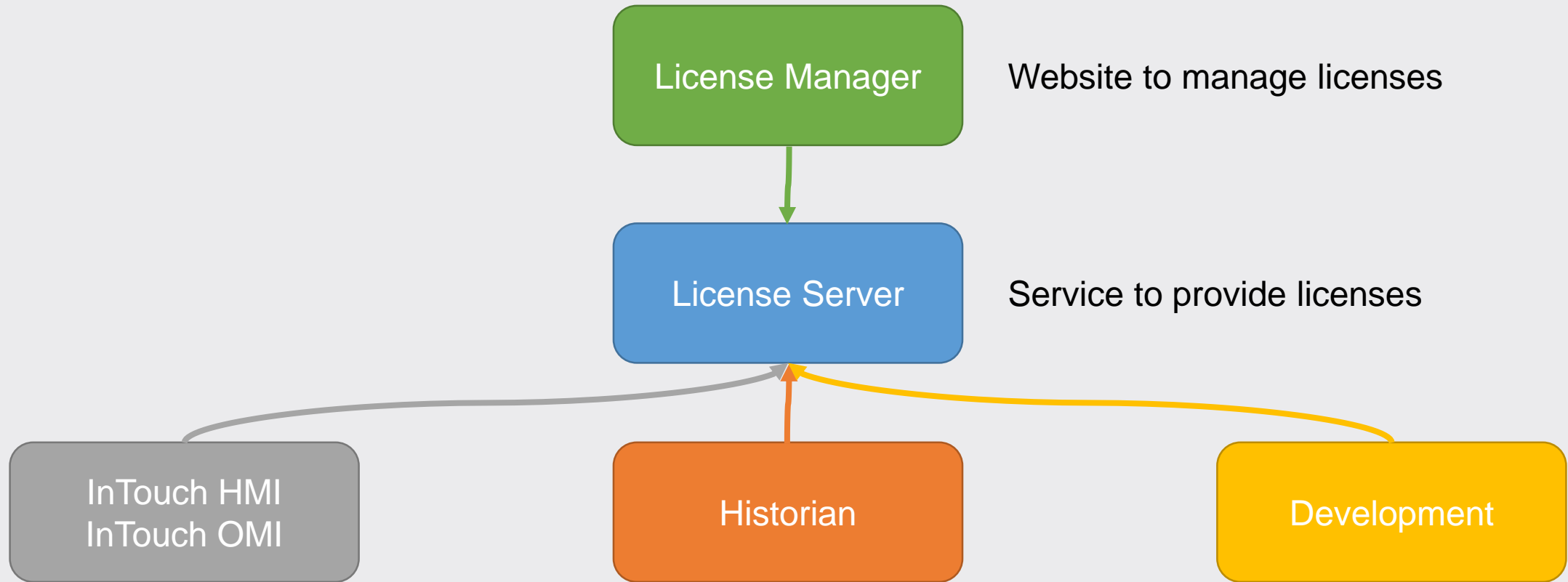
Systems Integrator Licenses

- Systems Integrator licenses have up to 5 concurrent activations
- SIs can temporarily activate at customer site without deactivating elsewhere

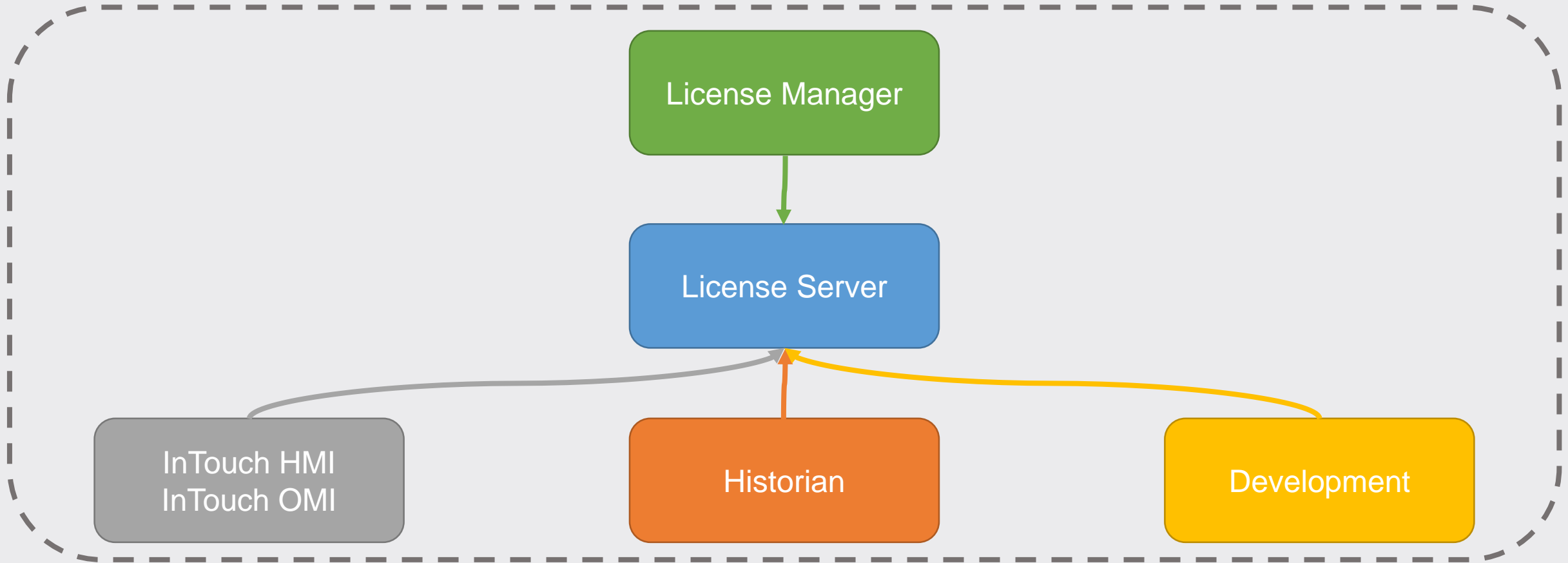
Licenses at Runtime

- Software contacts License Server for license
 - License assigned
 - Software shuts down, releases license
- Defaults to floating licenses
 - Especially if using centralized License Server(s)
- Licenses can be reserved
 - To specific computers
 - To users

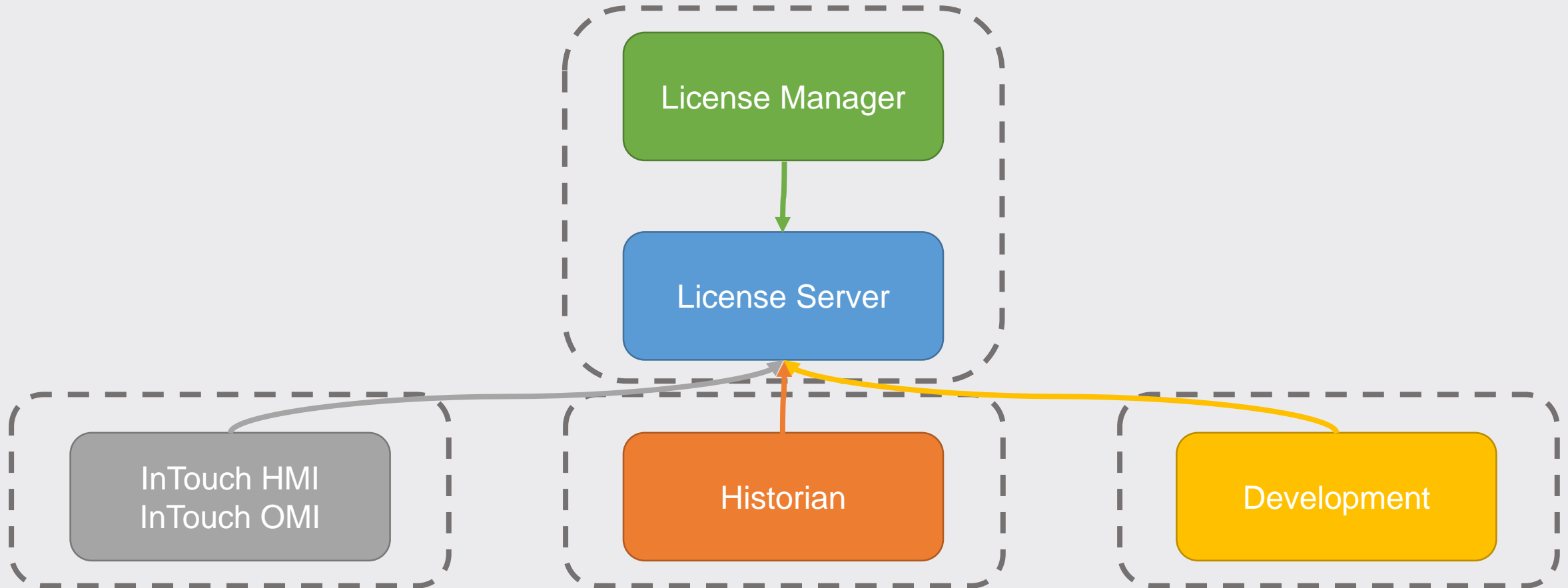
Basic Architecture



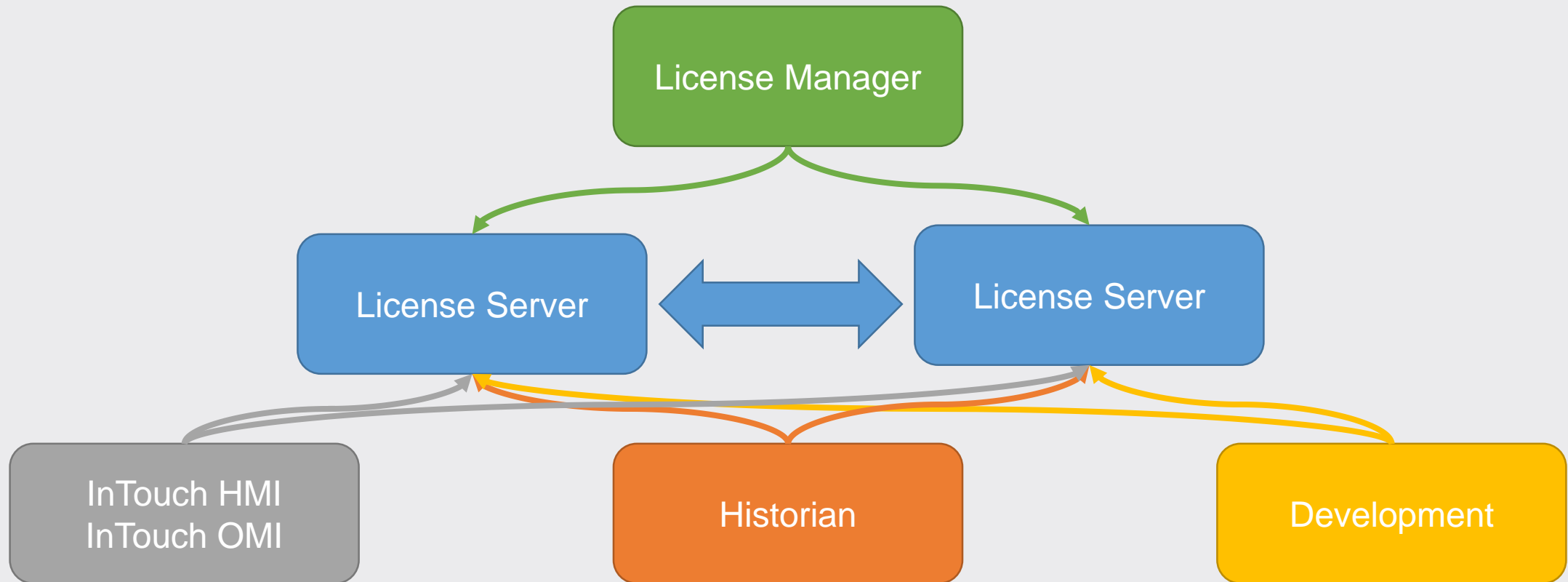
Single Computer



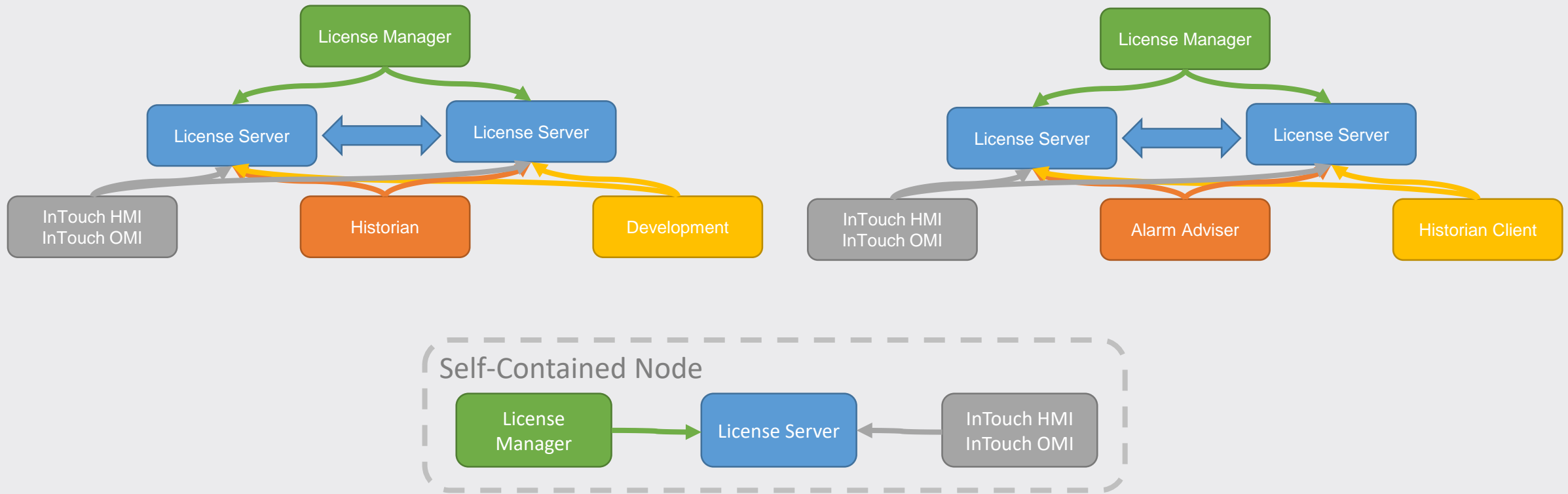
Multiple Computers



Redundant Architecture

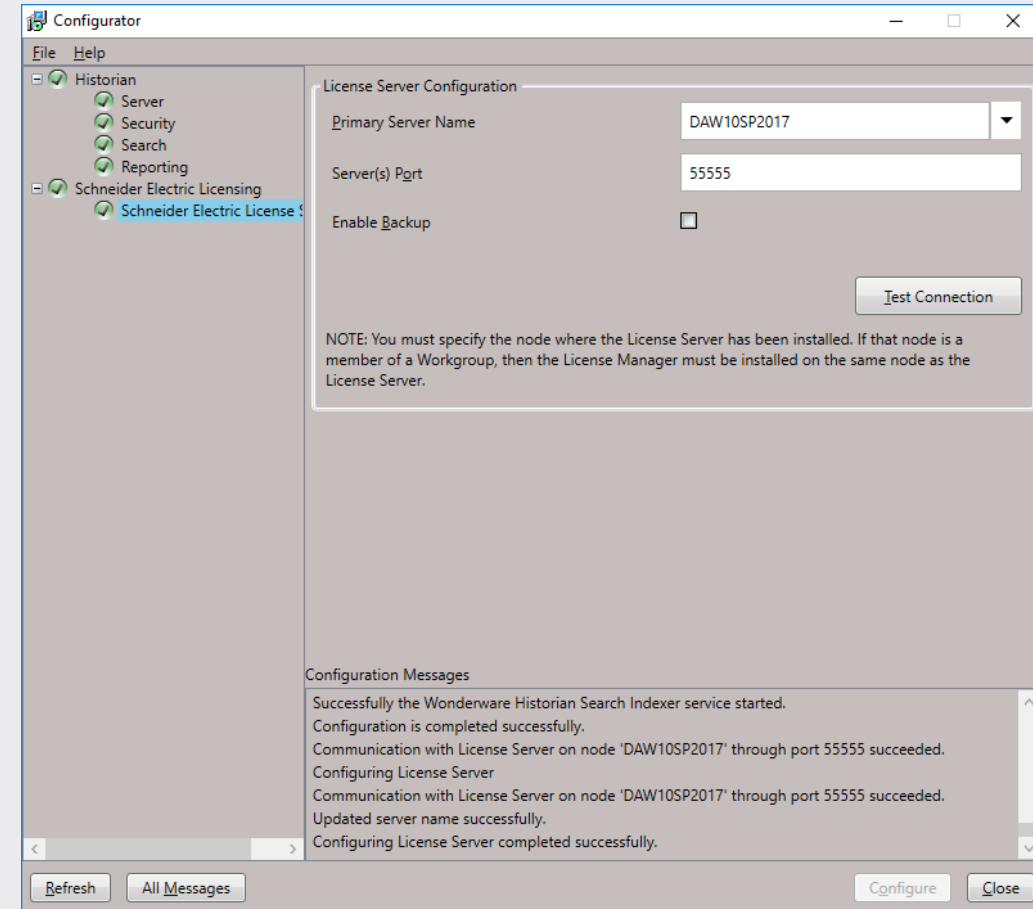


Redundant Architecture+



Configurator

- Run this on machines needing licenses to point to License Server
- Supports redundant License Servers, but not automatically
 - Enable Backup checkbox



License Manager Demo



The Schneider Electric industrial software business and AVEVA have merged to trade as AVEVA Group plc, a UK listed company.
The Schneider Electric and Life Is On trademarks are owned by Schneider Electric and are being licensed to AVEVA by Schneider Electric.

Confidential Property of AVEVA Group plc.





☰ Servers Remove Refresh Manage Sync ☁️

←

License Server ID
DAW10SP2017_9Z2KKF7S | Status
Running

License Summary | Features Summary | Usage Details | Reservation

+ Add License ⊘ Deactivate ☰ Details

× 🔍

<input type="checkbox"/>	Quantity	Component Name	Part Number	Serial Number	Expiry Date	Status	Comment
No data found							

0 License(s) found



Servers

DAW10SP
Description

License Summary

+
Add License Dea

Quantity

No data found

0 License(s) found

License Activation

License Server ID
DAW10SP2017_9Z2KKF7S

WW-AdvDevStd2018Jan31st-Licenses.xml ...

AdvDevStd2018Jan31st Remove

x 🔍

<input checked="" type="checkbox"/>	Component Name	Part Number	Activation Code	Quantity	Activated
<input checked="" type="checkbox"/>	AdvDev Studio 2017 Unlimited, 30day Demo Consignment	AdvDev-99-P-17	6Q7L-5JGW-EJHP-ZZQX	1	No

Close **Activate**

Status
Running

x 🔍

of 0

Remove Refresh Manage Sync

←

License Server ID: **DAW10SP2017_9Z2KKF7S** | Status: **Running**

License Summary | Features Summary | Usage Details | Reservation

Add License | Deactivate | Details

<input type="checkbox"/>	Quantity	Component Name	Part Number	Serial Number	Expiry Date	Status	Comment
<input type="checkbox"/>	1	AdvDev Studio 2017 Unlimited, 30day Demo Consignment	AdvDev-99-P-17	T17082203-2	1/30/2018	Activated	

Remove Refresh Manage Sync

← DAW10SP2017
Description

License Server ID: **DAW10SP2017_9Z2KKF7S** Status: **Running**

License Summary Features Summary Usage Details Reservation

Search box with magnifying glass icon

Feature	License Type	Version	Quantity	Reservation	In Use
Historian Enterprise 2M Tags	Server	2017 (17.0)	200	0	1
Historian Client	Client	2017 (17.0)	500	0	0
Historian InSight	Client	2017 (17.0)	500	0	0
Intelligence Professional Server	Server	2017 (2.1)	4	0	0
InTouch RT 60K Tags	Server	2017 (17.0)	300	0	0
InTouch RT 60K Tags Read Only	Server	2017 (17.0)	300	0	0
InTouch Dev 60K Tags	Server	2017 (17.0)	30	0	0
InTouch RT 60K Read Only RDS	Server	2017 (17.0)	300	0	0

20 License(s) found



Servers



DAW10SP2017

Description

License Server ID
DAW10SP2017_9Z2KKF7S

Status
Running

License Summary

Features Summary

Usage Details

Reservation

Search box with magnifying glass icon

Feature	Type	Version	In Use/Total	Device	User	Expected return
Historian Enterprise 2M Tags	Server	2017 (17.0)	1/200	DAW10SP2017		1/26/2018 9:41:22 AM
Historian Tag Count		2017 (17.0)	1200/400000000	DAW10SP2017		1/26/2018 9:41:22 AM
OI Server Professional	Server	2017 (2.0)	1/300	DAW10SP2017		1/26/2018 9:41:22 AM
Application Server 1M IO	Server	2017 (17.0)	1/20	DAW10SP2017		1/26/2018 9:41:22 AM
App Server IO Count		2017 (17.0)	1000000/20000000	DAW10SP2017		1/26/2018 9:41:22 AM

1-5 of 5 License(s)

Rows per page: 1000 Page 1 of 1

5 License(s) found



☰ Servers



DAW10SP2017

Description

License Server ID
DAW10SP2017_9Z2KKF7S

Status
Running

License Summary

Features Summary

Usage Details

Reservation



Apply



Cancel

Feature	License Type	Version	Type	Device/User	Expiry Date	Comment
Historian Client	Client	2017 (17.0)			1/31/2018	
Historian Client	Client	2017 (17.0)	User	User1	1/31/2018	
Historian Client	Client	2017 (17.0)	Device	DeviceA	1/31/2018	
Historian Client	Client	2017 (17.0)	Select Type	Enter Device	1/31/2018	Enter Comment
Historian Client	Client	2017 (17.0)	Device		1/31/2018	
Historian Client	Client	2017 (17.0)	User		1/31/2018	
Historian Client	Client	2017 (17.0)			1/31/2018	
Historian Client	Client	2017 (17.0)			1/31/2018	

1-1000 of 2694 License(s) Rows per page: 1000 Page 1 of 3

5 License(s) found