TopView Pricing Worksheet

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Definitions

TopView Data Source

TopView is available for different data sources:

TopView Data Source	Description
OPC/SCADA	For OPC Classic DA/HDA Servers, OPCUA DA Servers
OPC A&E	For OPC Alarms and Events Servers
PI	For PI Servers and AF Servers (from OSIsoft, Inc.)
SQL Lookup	For ODBC and OLEDB databases (SQL Server, Oracle, …) to perform lookup in table of values
SQL Events	For ODBC databases (SQL Server, Oracle, …) to perform monitoring of SQL-based event logs
MQTT	For MQTT message content monitoring
PerfMon	For Ping response time and Windows Performance Counters

Data Server

A Data Server provides data to TopView for real-time monitoring and alarming. The Data Server is based on the TopView Data Source.

TopView Data Source	Data Server
OPC/SCADA	OPC Classic DA/HDA Server, OPCUA DA Server
OPC A&E	OPC Alarms and Events Server
PI	PI Server (tags) or AF Server (attributes)
SQL Lookup	An ODBC or OLEDB source (typically a SQL database)
SQL Events	An ODBC source (typically a SQL database)
MQTT	MQTT Broker
PerfMon	A Microsoft Windows computer

Site

A physical location of a company including one or more buildings where someone could reasonably walk between the buildings. The data located at the site is owned by a single entity.

SCADA Connect

SCADA Connect facilitates TopView configuration and integration with popular SCADA/HMIs. The license for TopView OPC/SCADA customers will include a SCADA Connect license (at no additional cost) if the customer's SCADA System is supported by SCADA Connect at the time of purchase.

An overview of SCADA Connect availability for various SCADA/HMI packages is here

Pricing Overview

Perpetual vs. Subscription license

Customers can purchase a perpetual or subscription TopView license.

Perpetual license

- Higher initial cost
- TopView software will run without expiration
- Initial purchase of a includes one year of Software Support
- Annual Software Support can be purchased after the first year

Subscription license

- Lower initial cost
- Annual subscription to use TopView software
- Subscription includes Software Support

Single License vs. Site License

There are two types of TopView licenses available:

1. **Single License**
   A single installation of TopView on a one machine (physical or virtual) with the following restrictions based on the license purchased:
   a. Can monitor up to X number of points for one data source (OPC, OPC A&E, PI, ODBC/OLEDB, …)
   b. Will accept connections from Y Remote Viewers
   c. Can access one or more local or remote data servers (typically accesses one data server)
   d. Can allow a backup/failover installation

2. **Site License**
   A site license allows TopView installations on unlimited machines (physical or virtual) within a single site. Each TopView installation at the site has the following restrictions:
   a. Can monitor an unlimited number of points for one data source (OPC, OPC A&E, PI, ODBC/OLEDB, …)
   b. Will accept connections from unlimited Remote Viewers
   c. Can access multiple data servers at the site
   d. Allows unlimited backup/failover installations

Point Count for licensing

* The point-count used for the TopView Single license is the number of points monitored by TopView and NOT the total number of points in the data server(s).

General

TopView counts the number of tags in the monitored tag list. If the monitored tag list includes the same tag multiple times, it is only counted once (starting in v6.31). Certain tag extensions are also removed before duplicate tags are identified. See the TopView licensing document for details on licensed point count.

TopView OPC/SCADA

TopView OPC/SCADA allows you to monitor data values that exist in one or more OPC Classic DA/HDA Servers or OPCUA DA Servers. The OPC name for each point/tag is an "OPC item" or "OPCUA node attribute". Each monitored item is counted as a point in the TopView OPC/SCADA license.

TopView OPC A&E

TopView OPC A&E allows you to monitor OPC A&E events from different sources. The user configures Events Tags which filter the events for a maximum number of sources. Each monitored Events Tag is counted as X points where X="maximum number of sources" configured for the Events tag.

TopView PI

TopView PI allows you to monitor tag values from one or more OSIsoft PI Servers and AF attributes from one or more AF Servers. Each monitored PI tag and AF attribute is counted as a point in the TopView PI license.

TopView SQL Lookup

TopView SQL Lookup allows you to monitor specific data values that exist within ODBC and OLEDB sources. The user configures the ODBC/OLEDB data sources, the queries to execute, and the specific query result values that can be monitored by TopView SQL.

Each monitored query result value, called an "SQL tag", is counted as a point in the TopView SQL license.

TopView for SQL Events

TopView for SQL Events allows you to monitor SQL-based events that exist within one or more ODBC data sources (DSN). The user configures the ODBC data source, the queries to execute, and the Events Tags.

Each Events Tags filters the events from one query for a maximum number of sources. Each monitored Events Tag is counted as X points where X="maximum number of sources" configured for the Events tag.

TopView for MQTT

TopView for MQTT allows you to monitor and parse MQTT messages from subscriptions to one or more brokers. The user configures subscriptions for the message topics to monitor, how to parse the message payload, and the Events Tags.

Each Events Tags filters the events from one MQTT subscription for a maximum number of sources. Each monitored Events Tag is counted as X points where X=”maximum number of sources” configured for the Events tag.

TopView PerfMon

TopView PerfMon allows you to monitor ping time and Windows Performance counters from one or more machines. Each monitored ping time or performance counter value is counted as a point in the TopView PerfMon license.

Data Server Count for licensing

A TopView installation can monitor points on one or more data servers. Each license includes a maximum number of data servers that can be accessed.

The following table describes how data servers are counted for each data source:

TopView Data Source	**One Data Server**
OPC/SCADA	TopView counts each OPC/OPCUA Server Alias defined in TopView. An OPC Server alias may define - one OPC DA Server (OPC Classic and OPCUA) - one OPC DA/HDA Server (OPC Classic if both are available) - one HDA Server (OPC Classic if only HDA is available) For some OPC Servers that provide a gateway to multiple systems, TopView may count each accessed system as a Data Server. See OPC Server Count notes below.
OPC A&E	TopView counts each OPC A&E Server Alias defined in TopView
PI	TopView counts: - Each PI Server accessed by a monitored PI tag - Each PI Server accessed through an AF attribute See details for PI Data Server Count below
SQL Lookup	TopView counts - Each ODBC or OLEDB database defined in TopView SQL as a Database alias
SQL Events	TopView counts - Each ODBC DSN used by a monitored Events Tag query
MQTT	TopView counts each Broker Alias defined in TopView
PerfMon	TopView does not count data servers for TopView PerfMon

OPC Server Count

A license for TopView OPC/SCADA allows the user to monitor OPC items/tags from one or more OPC Classic DA/HDA Servers or OPCUA DA Servers. For each Server, TopView OPC requires that the user create an OPC/OPCUA Server Alias as a single name that defines the host and name of the Server.
Example: OPC Server Alias name "myserver" refers to the OPC Classic server "MyVendor.OPCServer.1" on machine "svr01".

OPC Classic:

- TopView OPC supports OPC Server failover where the primary and secondary OPC Server alias names are grouped into a single name called an OPC Server Alias Group.
- The OPC Server Alias Group can be used in place of a single OPC Server alias name to provide server failover
- If OPC Server failover is not used, each accessed OPC Server is counted as one data server.

If OPC Server failover is used, the primary and secondary OPC Server will be counted as one data server when accessed as the OPC Server Alias Group name as well as direct access to primary or secondary.

Wonderware InTouch

A single Wonderware FSGateway or OIGateway OPC Server can be configured to monitor multiple InTouch Runtimes that run as separate applications with different tags. TopView will count each InTouch runtime as a separate Data Server even though they are accessed through the same gateway OPC Server connection.

Wonderware System Platform

Each TopView installation should be installed in a Galaxy to monitor the data within that Galaxy. If a single installation of TopView is monitoring multiple Galaxies (which is not a supported configuration) it must be licensed with a Data Server for each Galaxy.

PI Data Server Count

A license for TopView PI allows the user to monitor PI tags and AF attributes using the PISDK and/or AFSDK.

- Monitored PI tags: each monitored PI tag has an associated PI Server. TopView will count each unique PI Server of the monitored PI tags as one data server.
- Monitored AF Attributes: each monitored AF attribute has an associated AF Server. If the AF attribute is a PI tag data reference, TopView will count each unique AF Server\PI Server of the monitored attributes as one data server.

Example:

TopView is monitoring the following PI tags and AF attributes

- PI tag 'tag001' on PI Server "piserver01'
- PI tag 'tag002' on PI Server "piserver01'
- PI tag 'tag003' on PI Server "piserver02'
- Attribute '\\afserver1\database1\element\att1' with no data reference
- Attribute '\\afserver1\database1\element\att2' with data reference to PI tag 'tag004' on 'piserver01'
- Attribute '\\afserver1\database1\element\att3' with data reference to PI tag 'tag005' on 'piserver01'

Example Data Server count = 3

1. piserver01: accessed by PI tags (tag001, tag002)
2. piserver02: accessed by PI tags (tag003)
3. afserver1\piserver01: accessed by AF attributes with PI tag data references (att2, att3)

Single License - TopView pricing worksheet

The main component of the TopView Single License price is the number of points that you need to monitor with the TopView Engine. Additionally, you can add TopView clients (the Remote Viewer), access to additional data servers, and a backup/failover license. All other product features are included.

To determine the price of a TopView Single License, the following information is required:

TopView Engine Data Source

Each TopView Engine license is for one data source

____ OPC/SCADA	____ OPC A&E	____ SQL Events	____ PerfMon
____ OSISoft PI	____ SQL Lookup	____ MQTT	

Number of Data Servers

How many separate data servers (OPC DA/HDA Servers, OPC A&E Servers, PI Servers, AF/PI Servers, SQL databases) will be monitored by the TopView Engine installation (usually one). A PI Collective is one data server. See "OPC Server Count" for information on counting Data Servers for certain SCADA Systems accessed through OPC gateways. Does not apply to TopView PerfMon.

____ 1	____ 3
____ 2	____ Other (please specify: ____)

Total number of monitored points across all data servers

How many points will be monitored by the TopView Engine across all data servers?

____ 10	____ 750	____ 10,000
____ 25	____ 1,000	____ 20,000
____ 50	____ 1,500	____ 50,000
____ 100	____ 2,000	____ 100,000
____ 250	____ 3,000	____ Unlimited
____ 500	____ 5,000	

Number of *additional* desktop client (Remote Viewer) licenses

(1 is included with TopView Engine at no additional cost, so how many *more* are needed)

____ 0	____ 4	____ 20
____ 1	____ 5	____ 25
____ 2	____ 10	____ 30
____ 3	____ 15	____ Other (please specify: ____)

Do you need a backup/failover license for the TopView Engine?

This allows you to install TopView on a second machine for hot failover

____ Yes	____ No

TopView OPC/SCADA will include SCADA Connect for supported SCADA Systems

SCADA/HMI package. List for each data server.

1. SCADA Software and version: _____

2. SCADA Software and version: _____

Site License - TopView pricing worksheet

The main component of the TopView Site License price is the number of data servers at the site that you will directly access for monitored data.

To determine the price of a TopView Site License, the following information is required:

TopView Engine Data Source

This does not affect pricing, but each TopView Site License is for one data source

____ OPC/SCADA	____ OPC A&E	____ SQL Events	____ PerfMon
____ OSISoft PI	____ SQL Lookup	____ MQTT	

Number of Data Servers at the site

How many separate data servers at the site (OPC DA/HDA Servers, OPC A&E Servers, PI Servers, AF/PI Servers, SQL databases) will be monitored by the TopView Engine installation(s). A PI Collective is one data server. See "OPC Server Count" for information on counting Data Servers for certain SCADA Systems accessed through OPC gateways. Does not apply to TopView PerfMon.

____ 1	____ 3
____ 2	____ Other (please specify: ____)

Maximum monitored point count

_X_ Unlimited

Number of desktop client (Remote Viewer) licenses

_X_ Unlimited

Do you need a backup/failover license for the TopView Engine?

_X_ Included

TopView OPC/SCADA will include SCADA Connect for supported SCADA Systems

SCADA/HMI package. List for each data server.

1. SCADA Software and version: _____

2. SCADA Software and version: _____