



# Local Historian for KEPServerEX<sup>®</sup>

Easy Guide

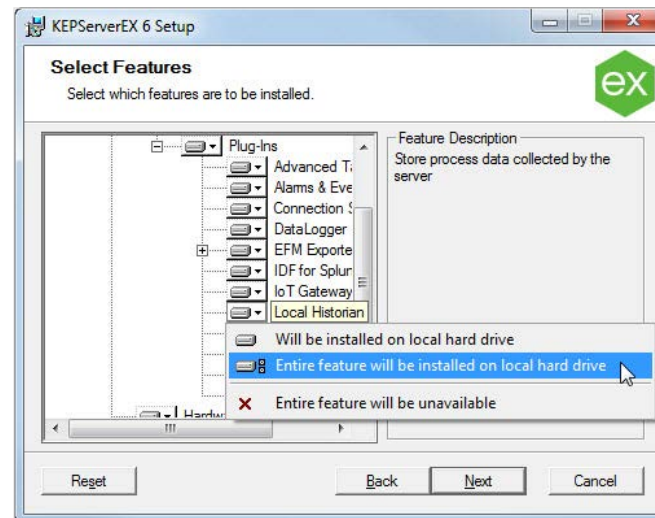
The [Local Historian for KEPServerEX](#) captures and stores high-resolution data and makes it easily accessible and configurable for troubleshooting, calibrating, and trending equipment conditions. It moves data collection, storage, and access closer to the data source—preventing data loss and improving operational efficiency. The Local Historian enables engineers to improve production quality, reduce waste, increase safety, perform predictive maintenance, and more.

The Local Historian for KEPServerEX can be installed on a technician's computer or on a computer next to the process. It stores and provides access to data via OPC Historical Data Access (HDA), an open standard for transferring historical data between client and server applications.

Follow these steps to configure a Local Historian historical datastore in under five minutes.

## Follow the Steps

### Step 1: Install the Local Historian



1. The Local Historian is an advanced plug-in for the KEPServerEX connectivity platform. During your KEPServerEX installation, expand the **Plug-Ins** option to locate the **Local Historian** in the **Select Features** dialog. Then, select **Entire feature will be installed on local hard drive** and complete the install.

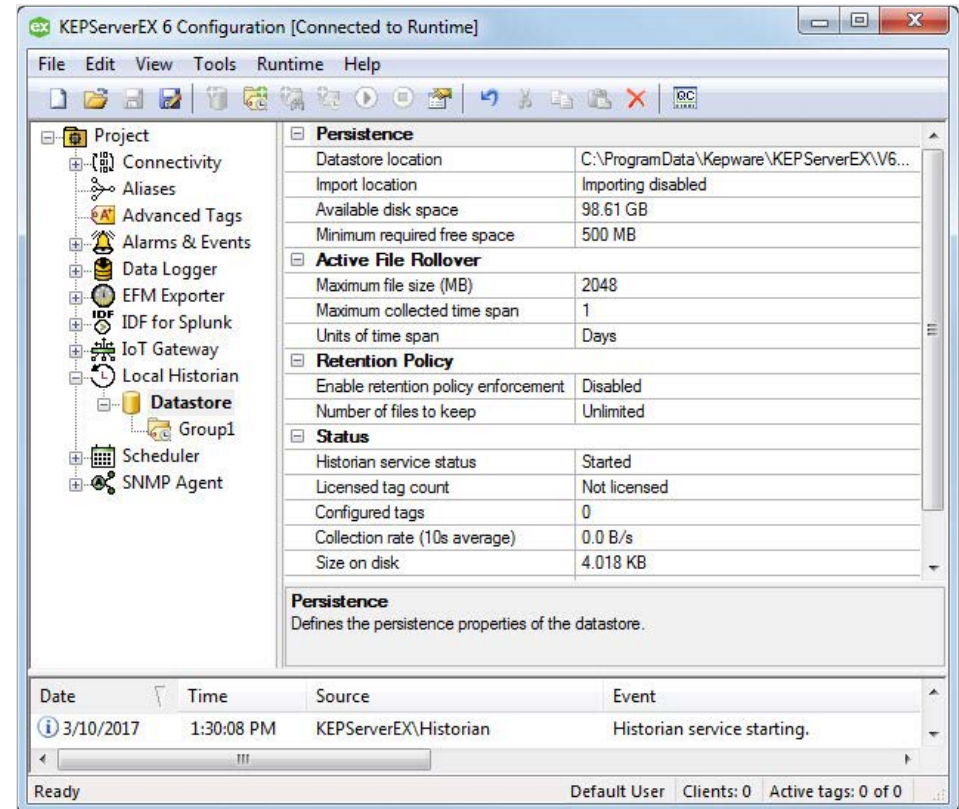
**Step 2:**

Create a datastore, choose a disk location, and set retention policies

In the KEPServerEX Configuration window, click **Local Historian** from the tree view in the left pane. Click **Add Datastore...** to launch the install wizard. Keep all the default options (you can edit these later, if needed).

You can modify the datastore properties, such as designating a retention policy to control how long historical data is kept—meaning that any data older than this retention policy will be purged. To modify datastore properties, right-click **Datastore** in the left pane then select **Properties** from the context menu.

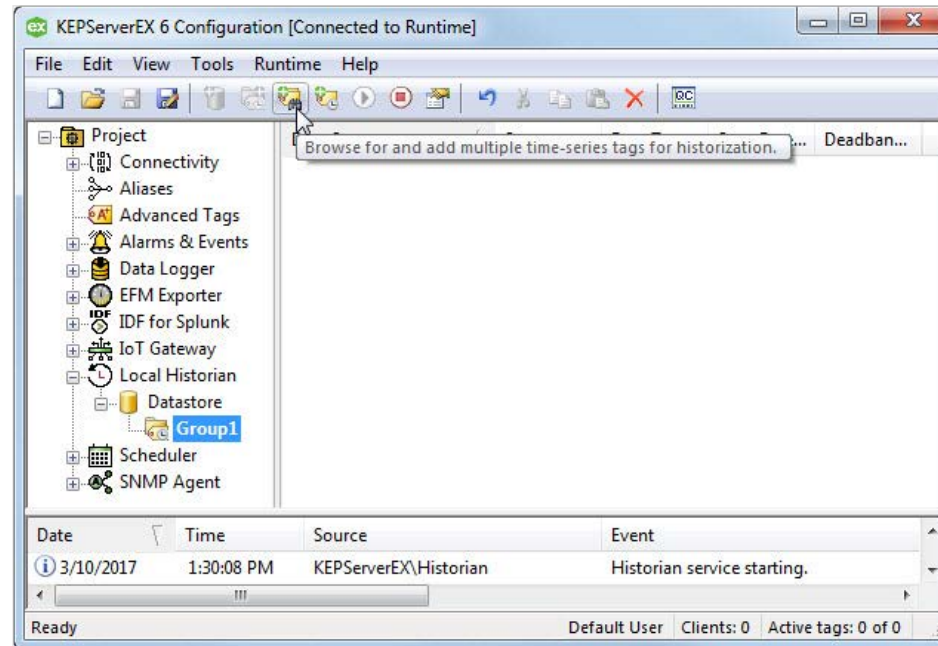
**Note:** By default, the datastore will be located in the ProgramData file path on the install computer's C: drive. The Local Historian does not support data storage on network drives. There is a limit of one datastore per KEPServerEX project.



**Step 3:**

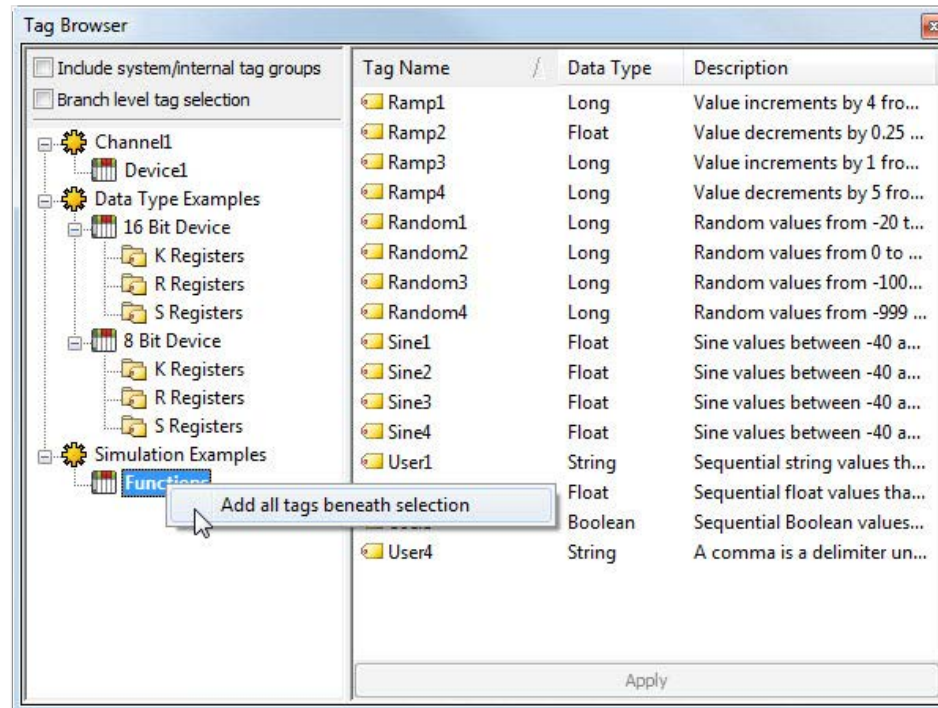
Choose items to store

To add tags to a datastore for historization, click on the **Group1** object and use the toolbar icons to add tag items. You can browse the server for Static Tags or add Dynamic Tags manually.



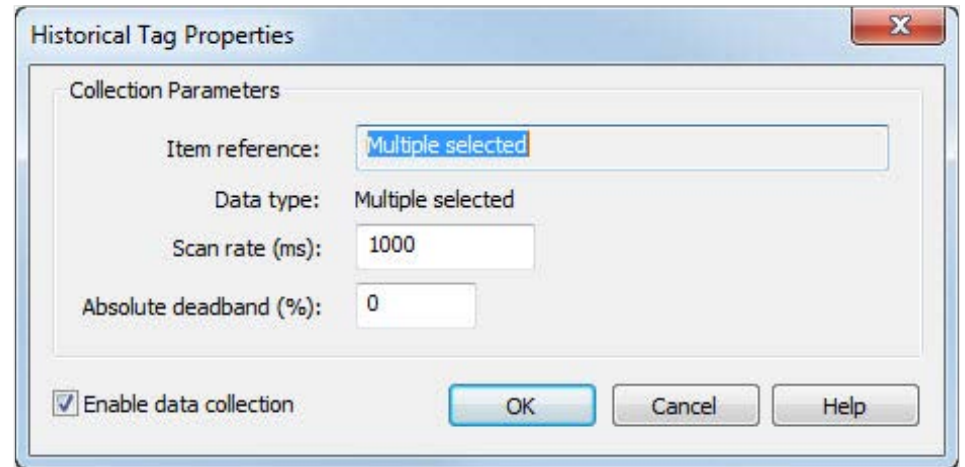
If browsing for multiple tags, choose the **Browse for Tags** option to navigate through the existing project configuration and add multiple tags from different devices.

To log the data for every tag item for a **device**, right-click a device in the left pane of the **Tag Browser Window**. From the **Context** menu, choose **Add all tags beneath selection**. Alternatively, you can multi-select items in the right pane by using the **Shift** or **Ctrl** keys.

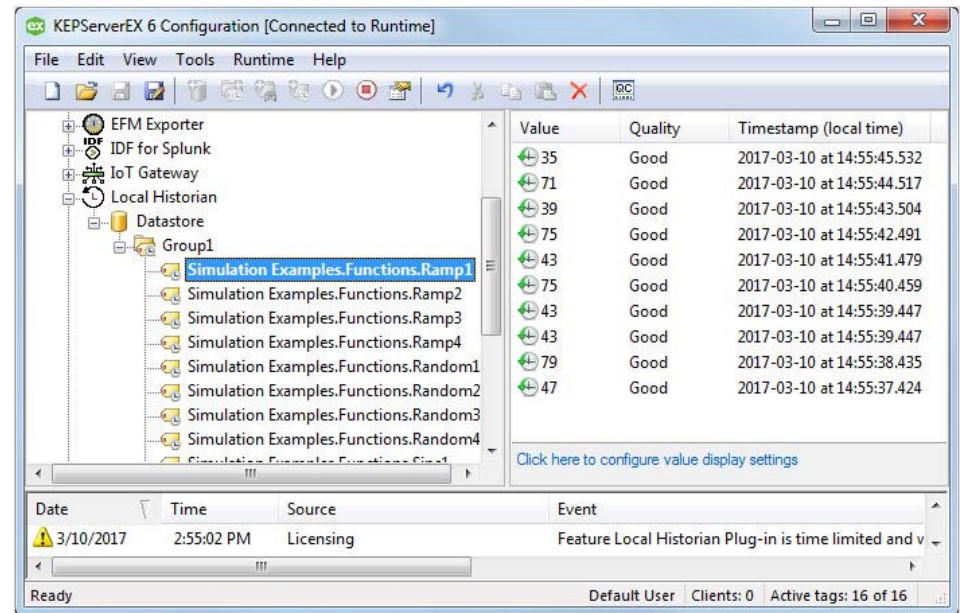


The scan rate, deadband, and enabled state are configurable for a tag group or individual tags and can be bulk edited in real-time. For example, it's easy to increase a tag group's scan rate in order to troubleshoot a problem with more granular data.

After tags are added, you can click any tag item to see a log of its history.



You can return to the project and add more tag items for historizing at any time.



- Step 4:** Choose a tool to help visualize the data
- Any data archived by the Local Historian can be viewed, trended, and aggregated by a wide array of applications.
- Some examples of OPC HDA-compatible software are listed below. Please note that this is not an exhaustive list; there are many more vendors that support this open specification.

### Examples of OPC HDA-compatible Software

#### Advanced Mathematical Analytics

- [MATLAB by MathWorks®](#)
- [OPCcalc® by EXELE Information Systems](#)

#### Reporting

- [Dream Report™ by Ocean Data Systems](#)
- [XLReporter by SyTech](#)

#### Trending/Visualization

- [Glance by ECG™](#)
- [Oxalis by Bee Computing](#)
- [RAPID™ by Automsoft®](#)
- [SapphireTrend by Jemmac Software](#)

# Learn More

For detailed technical information, read the [Local Historian product manual](#). To explore different use cases for the Local Historian, watch the "[Collecting Engineering Data Using the Local Historian for KEPServerEX](#)" webinar.

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