LDP Workshops

**WORKSHOP 2**

**More on this workshop.**

**LDP gives you the ability to monitor your replication through a variety of tools. These tools include,**

**Topology - The term Topology is used to indicate an overview of all data replication flows managed by the hub. In a single overview it shows the direction of the data flows, an indication of data volumes, a relative indication of latency, as well as whether jobs are running. The chart is interactive to retrieve more information such as actual current latency and volume information.**

**Statistics - As data flows between source(s) and target(s), LDP keeps detailed logs. Information is then harvested from these logs to publish historical metrics as time-series statistics about the replication flows. The time series use fixed intervals, either minute, 10 minute, hourly or daily intervals, with metrics aggregated to these time intervals (such as total number of changes, or minimal/maximum latency for the interval, etc.).**

**Events – The events page is where LDP keeps a record of operations that LDP has done. It can be used for auditing as well it is useful for monitoring the status of running jobs such as a refresh and compares.  You also see definition changes you made to the repository to define Actions, add Tables, create Location Groups, create the Channel and Define Locations.**

**log files – LDP keeps log files at various levels. Including the hub, jobs, and various events.**

**TOPOLOGY**

1. On the left side of the LDP webpage are a series of icons. This is the navigation bar of the LDP UI. Each of these icons will take you to a different part of the LDP UI.

A black arrow in a circle

Description automatically generated with low confidence

*Click* on star looking circle icon, the very bottom one. This will take you to the LDP topology page.

A picture containing application

Description automatically generated

Once on the web page you will be presented with a topological overview of your replication environment.

A picture containing text, screenshot, diagram, plot

Description automatically generated

Inspect the various parts of the chart. Starting at the top left you will see a section of drop downs. The top dropdown will give you the option of choosing the channel you want to view. Below that are all the locations that have been created. After that you have the option of selecting a timeframe. Finally, the bottom dropdown is a slider where you can set the latency color. Here you have a choice to set the colors by time or by SLA.

*Explore* each of the drop downs to see the options presented to you.

The topology page also has the ability that allows you to drill down to see the activity of the capture and integrate jobs. These are called live tiles.

By default, the live hub tile is shown at the bottom left of the page and is showing the integrate volume. If you do not see any volumn show, change the Graph range to the last ten minutes. Remember, you change this from the graph range drop down on the upper left of the page.

Graphical user interface, application

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In the center of the topology graph are gray circles that can be clicked on. These will bring up more live tiles showing the volume and latency of the different jobs

*Click* in the gray circle with the arrow. This will bring up the Capture Volume tile

A picture containing timeline

Description automatically generated

Diagram

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You can pull up other tiles by clicking on the gray circles.

A picture containing diagram

Description automatically generated

*Click* in the left bottom “training” tile and you will be taken to our next section, Statistics

**Statistics**

1. You can also get to the Statistics page by selecting the chart icon on the left navigation bar area

Icon

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A screenshot of a computer

Description automatically generated with medium confidence

Across the top are a variety of drop-down menus letting you select Channels, Locations, Table, Time Range and Metrics. Take some time and explore each one of the drop downs watching the charts change depending on what has been selected.

You can also zoom into a time period by moving your cursor into a chart. A plus (+) sign will appear. Left click and drag the cursor to the right or left to highlight the area you want to see and then let go of the mouse button.

A screenshot of a computer

Description automatically generated with medium confidence

Hovering the mouse over a section of the chart will bring up value details of the area cursor is on

A screenshot of a computer

Description automatically generated with medium confidence

Once you have finished exploring the LDP Statistics page we will look at the events page.

**EVENTS**

1. On the navigation bar on the left side,

*Click* on the flag icon

A picture containing graphical user interface

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This will take you to LDP’s events page.

A screenshot of a computer

Description automatically generated

As you interact with LDP, records are created and stored to enable auditing

and reviewing of the LDP operations. Some of the events that are captured are channel activation, Refreshes, Hub property changes, compares and Job starts/suspends. Just like in LDP Statistics across the top is a series of drop-down menus that allow you to filter the LDP events. Most events also have an associated log file for it that is viewable by clicking on the “View Log” button.

You can also click on each event and drill into that event to getter a better insight into the event. The example below shows the details of a refresh.

**Graphical user interface, table

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*Explore* The Events page looking at the different drop-down choices and drilling into different events to see their details.

**LOG FILES.**

1. LDP keeps log files for events, operations and jobs that have or are running. Log files are useful for reviewing the status of replication or finding why a job may have stopped. LDP will log errors in the log file. LDP will also log information on transactions that are being replicated.

To view some log files.

*Click* the icon with the circle and arrow in it from the navigation bar on the left side of the webpage

Graphical user interface, application

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This will take you to the jobs page

A screenshot of a computer

Description automatically generated with medium confidence

It is on this page that all jobs and their status can be seen. Like the other pages, across the top is a series of drop-down menus for filtering the jobs shown. Explore each of the drop-down menus to see how you can filter the data shown on the page. When finished,

*Click* on the three dots on the right side of the webpage and select “View Hub log”. This will bring up the main LDP log for the hub.

Graphical user interface

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Text

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The LDP hub log will contain rolled up information from the logs of the other jobs such as the capture, integrate and stats jobs.

It is also possible to view the log of a single job.

*Click* on the white “View Log” button located at the right side of the line that has the capture job details that is running.

A screenshot of a computer

Description automatically generated with medium confidence

This will bring up the capture log. In this log you can see details of the capture job such as the transactions captured.

Text

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Explore the other logs for the other jobs that are available on the page.

*Click* on the gray “X” on the right side of the log window to close the logs that are being displayed

Calendar

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Graphical user interface, application

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**Conclusion**

In this workshop you learned about the different ways that LDP monitors and logs operation and events. You also explored how LDP keeps statistics that can be reviewed at various levels of detail so that you can review and analyze how your replication is running. In the next lab we will learn about how to confirm our data is in sync between the source and target.