



# DLProf Viewer

## Release Notes

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# Chapter 1. DLProf Viewer v1.8.0 Release Notes

## Description

DLProf Viewer release v1.8.0 is available in the 21.12 NVIDIA [TensorFlow 1.x](#), [TensorFlow 2.x](#), and [PyTorch](#) containers on NGC, and as a Python Wheel on the NVIDIA PY Index. This will be the final release of DLProf Viewer. It will not be included in future NVIDIA NGC containers, but will still be available to download from the NVIDIA PY Index.

## Requirements

- ▶ Requires DLProf SQLite database files generated by DLProf v1.3 or later.
- ▶ Ensure you have access and are logged into NGC. For step-by-step instructions, see the [NGC Getting Started Guide](#).
- ▶ Install Docker and nvidia-docker. For DGX users, see [Preparing to use NVIDIA Containers](#). For users other than DGX, see [nvidia-docker installation documentation](#).

## New Features

The key features of DLProf Viewer v1.8.0 are:

- ▶ Compatibility with DLProf CLI v1.8.0.

## Known Issues

- ▶ None

## Resolved Issues

- ▶ None

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# Chapter 2. DLProf Viewer 21.11

## Release Notes

### Description

DLProf Viewer for release for 21.11, available in the NVIDIA [TensorFlow 1.x](#), [TensorFlow 2.x](#), and [PyTorch](#) containers on NGC, and as a Python Wheel on the NVIDIA PY Index.

### Requirements

- ▶ Requires DLProf SQLite database files generated by DLProf v1.3 or later.
- ▶ Ensure you have access and are logged into NGC. For step-by-step instructions, see the [NGC Getting Started Guide](#).
- ▶ Install Docker and nvidia-docker. For DGX users, see [Preparing to use NVIDIA Containers](#). For users other than DGX, see [nvidia-docker installation documentation](#).

### New Features

The key features of DLProf Viewer v1.7.0 / r21.11 are:

- ▶ New Group Ops view.
- ▶ Iteration Bar Charts are now zoomable and can be panned vertically.

### Known Issues

- ▶ None

### Resolved Issues

- ▶ None

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# Chapter 3. DLProf Viewer 21.10

## Release Notes

### Description

DLProf Viewer for release for 21.10, available in the NVIDIA [TensorFlow 1.x](#), [TensorFlow 2.x](#), and [PyTorch](#) containers on NGC, and as a Python Wheel on the NVIDIA PY Index.

### Requirements

- ▶ Requires DLProf SQLite database files generated by DLProf v1.3 or later.
- ▶ Ensure you have access and are logged into NGC. For step-by-step instructions, see the [NGC Getting Started Guide](#).
- ▶ Install Docker and nvidia-docker. For DGX users, see [Preparing to use NVIDIA Containers](#). For users other than DGX, see [nvidia-docker installation documentation](#).

### New Features

The key features of DLProf Viewer v1.6.0 / r21.10 are:

- ▶ Two new attributes called Dataloader and I/O were added to the Dashboard's Resource Usage Breakdown Panel, the Dashboard's Iteration Summary Panel, and the Iterations View.

### Known Issues

- ▶ None

### Resolved Issues

- ▶ None

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# Chapter 4. DLProf Viewer 21.09 Release Notes

## Description

DLProf Viewer for release for 21.09, available in the NVIDIA [TensorFlow 1.x](#), [TensorFlow 2.x](#), and [PyTorch](#) containers on NGC, and as a Python Wheel on the NVIDIA PY Index.

## Requirements

- ▶ Requires DLProf SQLite database files generated by DLProf v1.2 or later.
- ▶ Ensure you have access and are logged into NGC. For step-by-step instructions, see the [NGC Getting Started Guide](#).
- ▶ Install Docker and nvidia-docker. For DGX users, see [Preparing to use NVIDIA Containers](#). For users other than DGX, see [nvidia-docker installation documentation](#).

## New Features

The key features of DLProf Viewer v1.5.0 / r21.09 are:

- ▶ Removed left sidebar, and moved dropdown menu to the top navbar.

## Known Issues

- ▶ None

## Resolved Issues

- ▶ None

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# Chapter 5. DLProf Viewer 21.08

## Release Notes

### Description

DLProf Viewer for release for 21.08, available in the NVIDIA [TensorFlow 1.x](#), [TensorFlow 2.x](#), and [PyTorch](#) containers on NGC, and as a Python Wheel on the NVIDIA PY Index.

### Requirements

- ▶ Requires DLProf SQLite database files generated by DLProf v1.2 or later.
- ▶ Ensure you have access and are logged into NGC. For step-by-step instructions, see the [NGC Getting Started Guide](#).
- ▶ Install Docker and nvidia-docker. For DGX users, see [Preparing to use NVIDIA Containers](#). For users other than DGX, see [nvidia-docker installation documentation](#).

### New Features

The key features of DLProf Viewer v1.4.0 / r21.08 are:

- ▶ The Iterations View is now filled with the recommended `iter_start` and `iter_stop` values when launched from the Expert Systems panel on the Dashboard.
- ▶ The PDF export of the Op Type Summary table now fits properly on a single page.
- ▶ A new HELP pulldown menu has been added to the navigation bar next to the VIEWER documentation link. The HELP pulldown menu includes a link to the CLI documentation.

### Known Issues

- ▶ CVE-2021-35042 (9.8 Critical): Django 3.1.x before 3.1.13 and 3.2.x before 3.2.5 allows QuerySet.order\_by SQL injection if order\_by is untrusted input from a client of a web application.

No mechanism has been found to take advantage of this flaw with the current layout. The recommended pattern for the viewer site is for local trusted access only. This will be updated for 21.09 to remove the vulnerability.

## Resolved Issues

- ▶ None



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# Chapter 6. DLProf Viewer 21.07

## Release Notes

### Description

DLProf Viewer for release for 21.07, available in the NVIDIA [TensorFlow 1.x](#), [TensorFlow 2.x](#), and [PyTorch](#) containers on NGC, and as a Python Wheel on the NVIDIA PY Index.

### Requirements

- ▶ Requires DLProf SQLite database files generated by DLProf v1.2 or later.
- ▶ Ensure you have access and are logged into NGC. For step-by-step instructions, see the [NGC Getting Started Guide](#).
- ▶ Install Docker and nvidia-docker. For DGX users, see [Preparing to use NVIDIA Containers](#). For users other than DGX, see [nvidia-docker installation documentation](#).

### New Features

The key features of DLProf Viewer v1.3.0 / r21.07 are:

- ▶ Added backward compatibility support starting with v1.2 databases.
- ▶ Improved Iteration Summary datatable load time.
- ▶ The Recommendations panel on Dashboard has been renamed to Expert Systems.
- ▶ The Op Start column in the Ops in Selected Iteration datatable has been removed.

### Known Issues

- ▶ None

### Resolved Issues

- ▶ None

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# Chapter 7. DLProf Viewer 21.06

## Release Notes

### Description

DLProf Viewer for release for 21.06, available in the NVIDIA [TensorFlow 1.x](#), [TensorFlow 2.x](#), and [PyTorch](#) containers on NGC, and as a Python Wheel on the NVIDIA PY Index.

### Requirements

- ▶ Requires DLProf SQLite database files generated by DLProf v1.2.
- ▶ Ensure you have access and are logged into NGC. For step-by-step instructions, see the [NGC Getting Started Guide](#).
- ▶ Install Docker and nvidia-docker. For DGX users, see [Preparing to use NVIDIA Containers](#). For users other than DGX, see [nvidia-docker installation documentation](#).

### New Features

The key features of DLProf Plugin for TensorBoard v1.2.0 / r21.06 are:

- ▶ DLProf plugin is no longer embedded in TensorBoard. DLProf Viewer is now using web services provided by Gunicorn and Django.
- ▶ Added a new Resource Usage Breakdown panel to main dashboard.
- ▶ Added Memory duration and CPU duration to existing iteration charts.
- ▶ The Email Us link and Online Documentation link have moved from the Navigation Panel to the right hand side of the new Navbar.
- ▶ Removed the Op GPU Time panel from main dashboard.
- ▶ Removed Input Shapes column from Ops And Kernels view and Iterations by Op view.

### Known Issues

- ▶ Networks profiled in previous releases are not compatible with this release.

## Resolved Issues

- ▶ None

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