LaVision

FOCUS ON IMAGING
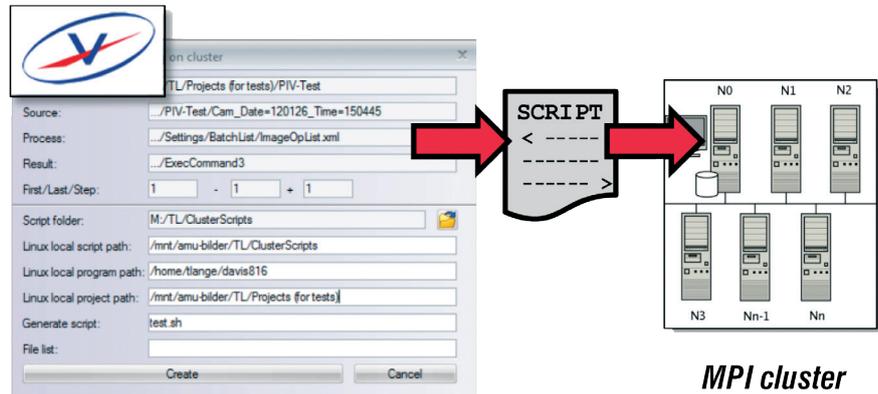
Cluster Script Processing

Distribute your PIV operation to dedicated MPI clusters via script

LaVision is offering **Cluster Script Processing** (**CSP**) for data processing on high-end network clusters. The **CSP** license adds a special dialog to the known processing dialog of the standard DaVis installation under Windows. This dialog is used to define all relevant settings and finally creates a shell script and parameter files.

The individual worker on the network cluster does not require any separate license.

MPI cluster

The script can be executed on a Linux cluster with the following tools:

▸ OpenMPI
▸ Sun/Oracle Grid Engine
▸ Slurm Workload Manager

Other tools can be used by modifying the scripts or by extending the dialog on request at LaVision.

Supported Linux versions

Supported and tested Linux distributions running **DaVis** 10.x are:

▸ distributions for x86_64 processors. A 32 bit version is not available
▸ Ubuntu 16.04 or newer
▸ Open SuSE Leap 42.3 or newer
▸ Red Hat RHEL or CentOS 6.9 and 7.4
▸ Fedora 27

Other distributions should not be too old and need to comply with the runtime library requirements.

The **Cluster Script Processing** on a Linux cluster does not need a network connection to the Master **DaVis**.

The setup should be executed by **DaVis** expert users. Support of the setup can also be requested by LaVision, please contact your local sales representative for more information.

Ordering information

Part number	Description
1105185	DaVis cluster script processing