

What's New: Load DynamiX Enterprise v5.4

Virtual Instruments is excited to announce the 5.4 release of Load DynamiX Enterprise (LDX-E)!

LDX-E 5.4 expands the recently introduced “Production to Lab” Workload Modeling capability for NAS (NFSv3) by adding support for VirtualWisdom NFSv3 workload data. With this expansion, customers who own both the VirtualWisdom products and the Load DynamiX products can maximize the value of the combined solution by harnessing the unique scalability and data fidelity advantages from both product lines to optimize application workloads deployment and performance.

LDX-E 5.4 also adds Data Compression algorithm support for NAS and Object Workloads, improves MPIO Performance by up to 4x¹, and more.

LDX-E Features

VW ProbeNAS Data → LDX-E NFSv3 Temporal Workload Model	Analysis Policies are available to parse and analyze NFSv3 workload data exported from VirtualWisdom. Subsequently, a Temporal NFSv3 Workload Model can be created from the analyzed data. The solution enables customers to take NFSv3 data directly from a production network collected by VirtualWisdom’s ProbeNAS, and seamlessly import it into LDX-E for analysis and automated workload model creation.
Data Compression algorithm for NAS / Object	The Data Compression functionality of the Data Reduction feature is now available for all NAS and HTTP / Object Workload Models in LDX-E.
MPIO Performance improvement	The maximum performance of an FC Workload running on an FC Test Bed with MPIO enabled is increased by up to 4x when all 8 LDX FC Ports are used in the Workload Test using new MPIO options. The new MPIO options, called MPIO Port Pairs, are available when creating an FC Test Bed when enabling MPIO. The new options allow users to create multiple sets of MPIO Port Pairs (i.e. two Ports per Pair) and transmit Workloads over each Pair concurrently. For example, instead of creating a single 8-port MPIO Test Bed, you can now create 4 sets of MPIO Port Pairs to deliver higher load.

¹ When using 8-ports in the new MPIO 4-Pairs Mode comparing to the 8-Port MPIO Mode.

40GE and 32GFC Load Generation Appliances support	<p>The new 40G Series Load Generation Appliances and 32GFC Models of the FC Series Load Generation Appliances are now supported on LDX-E.</p>
DNS for Test Bed	<p>DNS options are now available for all IP-based Test Beds in LDX-E. The new DNS options are provided under the Test Bed Link settings, on a per-Link basis. Besides specifying a DNS Server address, you can also define retry / timeout values and Client-side caching behaviors.</p>
CIFS / SMB1.0 Workload Model	<p>New CIFS / SMB1.0 Workload Model is now available, in addition to the existing SMB2 Workload Model which also supports SMB3 dialect negotiation.</p>

Version compatibility: LDX-E 5.4 is compatible with Load Generation Appliance / TDE / API v5.6 SP1 or later.



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