

Overview

NICE Software Desktop Cloud Visualization and EnginFrame

NICE offers leading software products aimed at company-wide management and optimization of computing and visualization resources.

Hewlett Packard Enterprise offers customers these two integrated solutions from NICE:

NICE Desktop Cloud Visualization (DCV)

NICE DCV manages 3D applications balancing the users sessions in the Cloud or on-premises. DCV is a remote visualization technology enabling secure and optimized access to Windows and Linux desktops and is designed for technical computing applications with a specific focus on graphic-intensive workloads.

DCV enables real time remote working and collaboration among users via interactive sessions sharing – allowing sharing of a single physical or virtual GPU among multiple Linux sessions, while maintaining full graphic acceleration and workstation-class performance.

Transferring pixels, instead of data, results in reduced network traffic, increased application performance, and improved security by keeping the data within the data center also allowing also for a better utilization of available hardware resources.

Designed to satisfy the requirements of the most demanding technical computing users, NICE DCV provides unprecedented performance with all major CAD, CAE, Petro-technical, medical and scientific visualization applications.

NICE EnginFrame

NICE EnginFrame is an advanced web front-end for accessing technical and scientific applications in the Cloud. It has a broad base of successful production deployments in Oil&Gas, Automotive, Aerospace, Medical, Financial Services and Research markets.

NICE EnginFrame enables HPC users to get the job done faster, without facing the complexity of the underlying computing infrastructure. Users can interact with a secure, intuitive, service-oriented interface to their HPC clusters, data, licenses, batch & interactive applications through a standard Web browser.

Built on over 20 years of experience and innovation in HPC and remote visualization, NICE EnginFrame provides advanced data management capabilities and flexibility in service definition, helping a traditional HPC infrastructure to evolve into a self-service Private, Hybrid and Public HPC Cloud.

Standard Features

Distribution Media and Software Documentation

NICE software are available for download from <https://support.nice-software.com/support/login> customer login required

Customers may also download user guides and other documentation at

<https://www.nice-software.com/download/enginframe-2017-1#documentation> and

<https://www.nice-software.com/download/nice-dcv-2017#documentation>

NICE Desktop Cloud Visualization (DCV)

Desktop Cloud Visualization is a remote 3D visualization technology which enables secure and optimized remote access to Windows and Linux desktops with a specific focus on graphic intensive workloads.

How NICE DCV works

In a typical 3D visualization scenario, a software application uses local resources (CPU, memory, etc.) and sends a stream of graphics commands to a graphics adapter (GPU) installed on the workstation. The GPU renders the data into pixels and utputs them to one or more local displays. With NICE DCV, all applications run natively on remote hosts, which may also be consolidated and virtualized. The native GPU driver renders the scene geometry and graphics state on the remote physical or virtual GPU, and pixels are compressed and sent over the network to clients for local displaying.

NICE DCV Highlights

- Designed for technical users
- Connect to Linux and Windows desktops remotely with a single client
- Full GPU acceleration for OpenGL and DirectX applications
- Node and GPU sharing across multiple users
- Support for virtual machines using GPU pass-through or NVIDIA vGPU
- Hardware-accelerated H.264 encoding on NVIDIA Kepler and Maxwell cards
- Support for multiple displays with resolution matching
- Dynamic image quality adjustment to maximize frame rate in motion
- Encryption using the standard HTTPS and TSL algorithm

NICE DCV Supported Platforms

- **Server**
 - Microsoft Windows 7, 8.x and 10
 - Microsoft Windows Server 2008 R2 and 2012 R2 and 2016 (single user only)
 - RedHat Enterprise Linux 6.x and above
 - **Native client**
 - Microsoft Windows 7, 8x and 10
 - **HTML5 client**
 - Google Chrome
 - Firefox
 - Microsoft Edge
 - Microsoft Internet Explorer 11
 - Apple Safari
 - **NICE DCV on Amazon EC2**
 - Supports Elastic GPUs
 - Freely available on any graphic and non-graphic EC2 instance
 - Accelerated H.264 encoding on G2 and G3 instances
 - Powers Amazon Appstream 2.0
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Standard Features

NICE EnginFrame

EnginFrame is the leading Grid Portal that enables user-friendly and application-oriented HPC job submission, control and monitoring.

How NICE EnginFrame works

NICE EnginFrame can be easily deployed in front of one or more HPC clusters or Grids. It provides a set of predefined application templates to make users immediately productive, and can easily be extended to accommodate new applications or more complex workflows, without knowledge of Web technologies or programming languages.

Leveraging mainstream job schedulers, NICE EnginFrame translates user clicks into the appropriate actions, including job submission, monitoring, input and output data management.

NICE EnginFrame Highlights

- **Universal and flexible access to the HPC infrastructure**
EnginFrame provides easy access over intranet, extranet or the Internet using standard and secure Internet languages and protocols.
- **Interface to the HPC system**
EnginFrame includes drivers for all mainstream job and provides easy interfaces to the existing computing infrastructure.
- **Security and access control**
EnginFrame provides fine grained access control and can be used to provide secure access to distributed users or organizations, while retaining full control of what they can do and how they interact with user's data and HPC systems.
- **Comprehensive data management**
EnginFrame provides flexible tools to avoid unnecessary file transfers when data is already available on the HPC system, as well as facilitate file transfers to and from user's workstation.
- **Interactive application support**
Through the integration with leading GUI virtualization solutions (including **Desktop Cloud Visualization (DCV)**, VNC, VirtualGL, HP-RGS and Citrix XenDesktop), EnginFrame enables users to address all stages of the design process, both batch and interactive.
- **SOA-enable your applications and resources**
EnginFrame can automatically publish computing applications via standard WebServices, enabling immediate integration with other enterprise applications.

EnginFrame Supported Platforms

- **Job Schedulers**
 - Adaptive Computing Moab
 - Altair PBS Professional
 - Univa Grid Engine
 - IBM Platform LSF
 - Openlava
- **SLURM**
 - TORQUE
- **Web Browser (Client side)**
 - Chrome
 - Firefox
 - MSIE/Edge
 - Safari
- **Operating System (Server side)**
 - RedHat Enterprise 6.x and above
 - SUSE Enterprise Server 12 and above
 - Amazon Linux AMI



Standard Features

NICE EnginFrame Hardware Compatibility

NICE software is supported on the following Gen9 and Gen10 HPE systems:

- HPE Apollo systems, including Apollo 2000, 6000 and 6500
- HPE SGI 8600 system
- HPE ProLiant servers, including the DL server line

For more information, please contact your Hewlett Packard Enterprise sales representative.

Support

Support for NICE software is provided by NICE. Information about support processes will be provided at the point of providing a license key to NICE.

The NICE Support Portal requires a login and password: <https://support.nice-software.com/support/login>



Service and Support

HPE Pointnext - Service and Support

Get the most from your HPE Products. Get the expertise you need at every step of your IT journey with **HPE Pointnext Services**. We help you lower your risks and overall costs using automation and methodologies that have been tested and refined by HPE experts through thousands of deployments globally. HPE Pointnext **Advisory Services** focus on your business outcomes and goals, partnering with you to design your transformation and build a roadmap tuned to your unique challenges. Our **Professional** and **Operational Services** can be leveraged to speed up time-to-production, boost performance and accelerate your business. HPE Pointnext specializes in flawless and on-time implementation, on-budget execution, and creative configurations that get the most out of software and hardware alike.

Consume IT on your terms

HPE GreenLake brings the cloud experience directly to your apps and data wherever they are—the edge, colocations, or your data center. It delivers cloud services for on-premises IT infrastructure specifically tailored to your most demanding workloads. With a pay-per-use, scalable, point-and-click self-service experience that is managed for you, HPE GreenLake accelerates digital transformation in a distributed, edge-to-cloud world.

- Get faster time to market
- Save on TCO, align costs to business
- Scale quickly, meet unpredictable demand
- Simplify IT operations across your data centers and clouds

Managed services to run your IT operations

HPE GreenLake Management Services provides services that monitor, operate, and optimize your infrastructure and applications, delivered consistently and globally to give you unified control and let you focus on innovation.

Recommended Services

HPE Pointnext Tech Care.

HPE Pointnext Tech Care is the new operational service experience for HPE products. Tech Care goes beyond traditional support by providing access to product specific experts, an AI driven digital experience, and general technical guidance to not only reduce risk but constantly search for ways to do things better. HPE Pointnext Tech Care has been reimagined from the ground up to support a customer-centric, AI driven, and digitally enabled customer experience to move your business forward. HPE Pointnext Tech Care is available in three response levels. Basic, which provides 9x5 business hour availability and a 2 hour response time. Essential which provides a 15 minute response time 24x7 for most enterprise level customers, and Critical which includes a 6 hour repair commitment where available and outage management response for severity 1 incidents.

<https://www.hpe.com/services/techcare>

HPE Pointnext Complete Care

HPE Pointnext Complete Care is a modular, edge-to-cloud IT environment service that provides a holistic approach to optimizing your entire IT environment and achieving agreed upon IT outcomes and business goals through a personalized and customer-centric experience. All delivered by an assigned team of HPE Pointnext Services experts. HPE Pointnext Complete Care provides:

- A complete coverage approach -- edge to cloud
- An assigned HPE team
- Modular and fully personalized engagement
- Enhanced Incident Management experience with priority access
- Digitally enabled and AI driven customer experience

<https://www.hpe.com/services/completechcare>



Configuration Information

Installation

NICE software installation instructions are available in the NICE product documentation

<https://www.nice-software.com/download/enginframe-2017-1#documentation> and

<https://www.nice-software.com/download/nice-dcv-2017#documentation>

HPE Pointnext professional services can assist with installation and configuration. Contact your Hewlett Packard Enterprise salesperson for more information.

Models

| | |
|---|----------|
| NICE DCV EnginFrame Bundle 1 User Perpetual E-LTU | Q9K99AAE |
| Notes: This is a Perpetual License for NICE DCV Multi-OS Edition desktops | |
| Notes: The license includes NICE Desktop Cloud Visualization (DCV) and EnginFrame Views. DCV provides remote access to a Linux or Windows desktop and EnginFrame Views provides interactive session management | |
| Notes: Minimum 5 desktop licenses must be ordered | |
| Notes: No support included in Q9K99AAE. Must add Q9L00AAE NICE DCV EnginFrame 1 User 1y Sup for each year of NICE support for each license (Required). | |
| NICE DCV EnginFrame Bundle 1 User 1yr Support | Q9L00AAE |
| Notes: This is 1 year NICE Support for the NICE DCV Multi-OS Edition Perpetual License | |
| Notes: This sku is also for support renewals for the NICE DCV Multi-OS Edition Perpetual License | |
| Notes: Minimum 5 support for desktop licenses must be ordered per year. | |
| NICE EnginFrame HPC 1 User Perpetual E-LTU | Q9L01AAE |
| Notes: This is a Perpetual License for NICE EnginFrame HPC sessions | |
| Notes: NICE EnginFrame HPC provides an application-oriented web interface to submit and manage batch jobs and interactive sessions in a HPC cluster, Grid or Cloud.. | |
| Notes: Minimum 5 session licenses must be ordered | |
| Notes: No support included in Q9L01AAE. Must add Q9L02AAE NICE EnginFrame HPC 1 User 1y Sup for each year of NICE support for each license (Required). | |
| NICE EnginFrame HPC 1 User 1yr Support | Q9L02AAE |
| Notes: This is a floating commercial license. Please order one (1) license per solution or base system. | |
| Notes: This sku is also for support renewals for the NICE EngineFrame HPC 1 User Perpetual License | |
| Notes: Minimum 5 support for session licenses must be ordered per year. | |
| NICE DCV 1 User Perpetual E-LTU | Q9R46AAE |
| Notes: This is the Perpetual License for NICE Desktop Cloud Visualization (DCV) only. The software provides remote access to a Linux or Windows desktop. | |
| Notes: Minimum 5 desktop licenses must be ordered. | |
| Notes: No support included in Q9R46AAE. Add Must add Q9R47AAE NICE DCV 1 user 1y Sup for each year of NICE support for each license (Required) | |
| NICE DCV 1 User 1yr Support | Q9R47AAE |
| Notes: This is 1 year NICE Support for the NICE DCV Perpetual License | |
| Notes: This sku is also for support renewals for the NICE DCV 1 User Perpetual License | |
| Notes: Minimum 5 support for desktop licenses must be ordered per year. | |

Summary of Changes

| Date | Version History | Action | Description of Change |
|-------------|------------------------|---------------|--|
| 15-Nov-2021 | Version 4 | Changed | Service and Support section was updated. |
| 20-Jan-2020 | Version 3 | Changed | 1 year support is also for support renewals for existing licenses Standard Features and Configuration Information sections were updated |
| 03-Sep-2019 | Version 2 | Changed | Standard Features section was updated. |
| 04-Jun-2018 | Version 1 | New | New QuickSpecs |



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