accops

Virtualize.Secure.Deliver

Application & Desktop Virtualization with Endpoint Management

HYWORKS

Desktop Virtualization With Next Generation Zero Client

Accops HyWorks is a solution suite comprising of software and hardware to create, manage and deliver hosted applications & virtual desktop from datacenter. HyWorks provides core services to create and manage host application environment, virtual desktop, provisioning services for virtual desktop, connection brokering, authentication and authorization and auditing services.

HyWorks management software stack is complemented with HyDesk endpoint hardware family to provide integrated, cost effective, end to end virtual computing solution. HyWorks provides 360 degree management of the endpoint devices as well, making it a single window solution to manage & deliver application & desktops to endpoints across the organization.

HyWorks enables organizations of any size to consolidate their applications & desktop computing to data center and deliver the same as Virtual Workspace.

Migrate applications & desktops to data-center and replace thick PC computing with server based computing

Replace old desktop PCs with smart HyDesk devices

Manage distributed devices, virtual desktops and applications from central location

Deliver secure computing environment to intranet and extranet users

KEY FEATURES

- **Simple, Web based management of distributed devices.**
- **Deploy new virtual desktops in minutes.**
- **Pool thousands of virtual desktops and manage them easily.**
- **All virtual desktop management in a single panel.**

Hybrid VDI Deployment

HyWorks supports both session based desktops as well as dedicated virtual desktop based VDI. Administrator can add a Microsoft RDS server for session based desktop. Dedicated virtual desktops can be created, managed and delivered by adding VMWare vCenter, VMWare ESX, Microsoft Hyper-V or SCVMM.
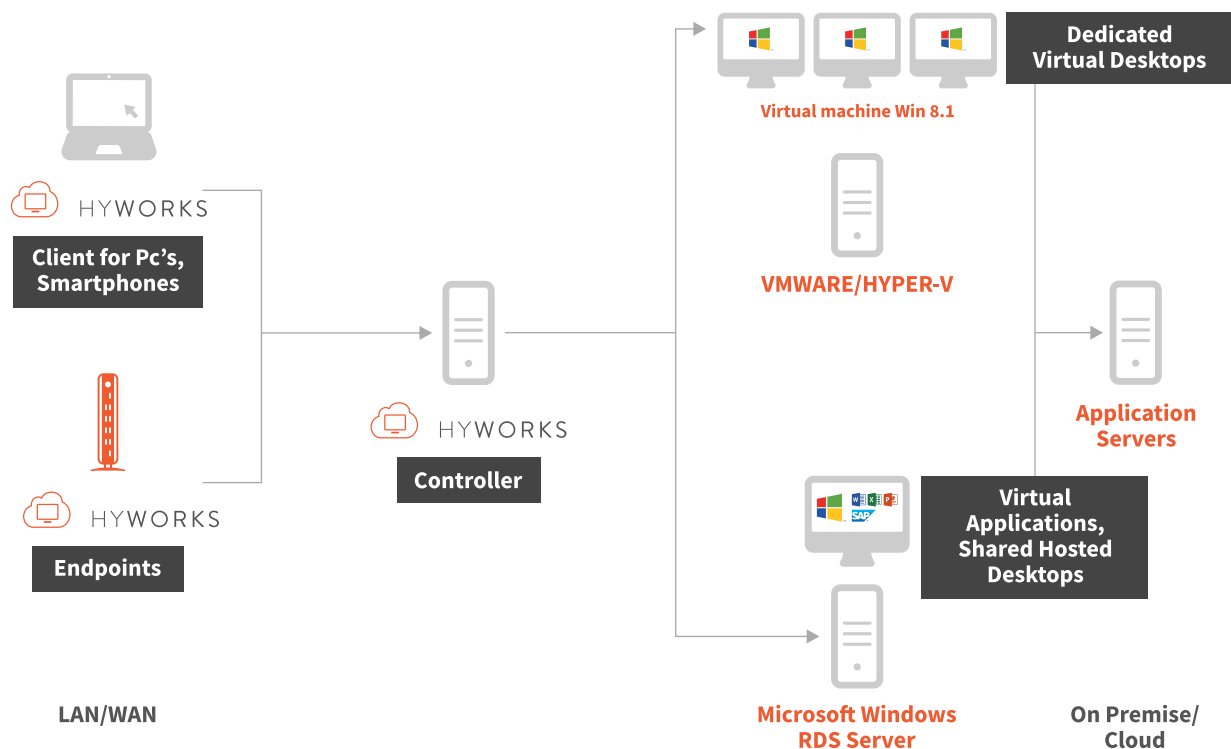
Virtual Desktop Provisioning

HyWorks provides virtual desktop provisioning support for VMWare and Hyper-v based virtual desktops. HyWorks can create both linked-clones as well as full clones for VMWare based platform. It is possible to enable sysprep from HyWorks console, enabling administrators to provision hundreds of virtual desktops in few clicks.

Integrated Application Delivery

HyWorks makes application delivery to end users simple. Administrator can source applications from different sources, like applications installed on Microsoft RDS server, Microsoft App-V or through application streaming products, and deliver the subset to end users. The applications get seamlessly integrated to user's PC, virtual desktop of the user or are available in the user portal. User can access these applications using any device they use.

Desktop Pool Management

Hyworks provides flexible pooling mechanism, including unique device based pools as well as user based pools. Support for permanent and temporary allocation enables users to have right user experience based on their profile. Virtual desktops within a pool can be recomposed when a new template is available. HyWorks Supports refresh, recompose of clones as well as persistent & non Persistent Virtualization.

Device Management

When a HyDesk device or a PC running HyWorks client for PC is available on network, the device automatically registers with HyWorks controller and is available for management from the console. Administrator can view the status of the device, sessions and modify the device properties. Administrator can also push updates to the devices as they are available. Alerts management can be done from HyWorks for devices which require attention.

Flexible Authentication, Authorization

HyWorks integrates with Microsoft active directory domain as well as Novell e-Directory & LDAP for user authentication and authorization. Desktops can be assigned to users, group or OU. HyWorks supports Workgroup environment (best suited for small organization) as well. User accounts can be created in Local database of HyWorks controller to support non persistent AD environment.

HYWORKS

Client for Pc's, Smartphones

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Endpoints

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Controller

Virtual machine Win 8.1

Dedicated Virtual Desktops

VMWARE/HYPER-V

Application Servers

Virtual Applications, Shared Hosted Desktops

Microsoft Windows RDS Server

On Premise/ Cloud

LAN/WAN

Power Management

HyWorks can manage the power operations for the virtual desktops as well as the connected devices. If the devices are idle for a certain duration, the devices can automatically go into standby state, thus saving power consumed by device and the monitor. HyWorks can also manage power operations of the virtual desktops based on policies.

Detailed Auditing & Logging

Administrator can view detailed logs created by various components on the management console. The activities of the device can also be pulled from the device and used for troubleshooting purpose.

All user authentication, virtual desktop access and assignment events and administrative operations are logged on HyWorks for auditing purpose.

Access Methods

HyWorks provides multiple access methods for end users. Users can use any browser from their PCs to login into HyWorks user portal and access published applications and their virtual desktop. Alternatively, users can download the HyWorks client for desktop and get same type of access. HyWorks client seamlessly integrates with user's desktops by creating application shortcuts on the desktop as well as

start menu. File association ensures that users can open a file residing on their local desktop using the published applications. Users can get access to their applications and desktops using iOS and Android mobile applications or from any device using the HyLite portal.

High Availability

HyWorks Controller can be deployed in a high availability cluster to provide a fail-safe scalable deployment. The devices running HyWorks client and HyDesk devices also support failover to an alternate HyWorks controller in case the primary server is not available.

DATA SHEET

Application & Virtual Desktop Publishing	Desktop Provisioning
Session based Applications & Desktops • Microsoft Windows RDS Server 2008R2-SP1, 2012 R2, 2016, 2019 • Ubuntu based terminal server Dedicated Virtual Desktop OS • Windows: Microsoft Windows 7/8/10 • Linux: Ubuntu & CentOS	Desktop Pools Full and linked clones Permanent and Temporary desktops Power management for virtual desktops Auto-expand pool Desktop customization using SysPrep Recompose desktops using source VM Virtual desktop target location management Persistent & Non Persistent Desktop

Hypervisor Support		Licensing
Vmware ESXi 5.5 or above VMware vCenter v5.5 or above Nutanix AHV/ Prism Central Microsoft Hyper-V 2012 R2/ 2016 Microsoft SCVMM 2012 R2/ 2016	Cloud: Microsoft Azure Physical Desktops	Device based Concurrent session based Named users Perpetual/ Subscription

Authentication & Authorization	Entitlements
Microsoft Active Directory Novell E-Directory LDAP Local Databox RADIUS via HyID* SMS/Email/Mobile OTP Token via HyID* Authentication cascading and failover Authentication server monitoring & alerts Password change management	HyDesk Device PC with HyDesk Client User Identity Group / OU Shared hosted desktop assignment One to One assignment Auto-assign desktop on first login Permanent or temporary assignment

Device Management	Monitoring
Display Configuration Device settings like volume, USB ports USB port redirection driver management Device lock down settings Device UI Option security and control Device power save settings Language and keyboard settings Device diagnostics control and log collection Grouping of devices for easier management Firmware auto-updates	Monitor device availability status User, Applications, Desktop Session status Idle session status Timeout idle sessions automatically Manually terminate sessions Virtual desktop power status Manage power operations Authentication server reachability status Hypervisor reachability status Resource Utilizations Session recording Registered users' details

System Management	Access Methods
Logging and reporting • User logs • Admin logs • Device logs • Alerts • Log archiving Automated & manual Configuration backup Cluster Management Session Host Server Management*	HyDesk devices HyWorks Client for PC • Microsoft Windows 7/8/8.1/10 • Ubuntu 12.04 or higher • MAC OS (version 10.13) or later Accops HyOS Accops Nano Live USB Accops HyLite Web Portal* HyWorks Client SDK for Thin client integration

Application Publishing Features	Session Policies
• Remote Browser Application • Application Folder support • Application shortcut publishing • Custom icon publishing • Launch in single session • Seamless Windows • Application auto-launch	• Protocol performance control • Universal printing • Printing quality control • Printing bandwidth control • Clipboard control • Drive mapping control

* Requires additional license