accops

Understanding Accops Product Editions

July 2021

AccOps is a leading global provider of end-to-end workspace virtualization and secure remote access solutions. AccOps provides a comprehensive and end-to-end remote work solution, promising secure, seamless, and anywhere, anytime access to business applications, data and network services. Using AccOps solution, organizations can mitigate the risks involved with remote working & work from home users, enabling enhanced workforce productivity, reduced cost of IT operations and round the clock service to their customers.

Accops Solution Suite

1. **Accops Digital Workspace:**
   One integrated solution to take care of remote access, VDI, MFA, identity federation, SSO & thin client needs.

2. **Accops HySecure:**
   Secure access to corporate applications, data, and network services from anywhere, anytime.

3. **Accops HyWorks:**
   Application & Desktop virtualization for secure access to corporate workspace from any device.

4. **Accops HyID:**
   Contextual Access Control with Multi-Factor Authentication & SSO for on-premises & cloud applications.

5. **Accops HyLite:**
   Secure access to virtual applications & desktops via a HTML5 browser on any device.

6. **Accops HyLabs:**
   Virtual lab solution with automated lab orchestration for educational & training institutes.

7. **Accops HyDesk:**
   Hybrid, energy-efficient endpoint devices to replace legacy PC-based computing.

8. **Accops Nano:**
   Instant, secure access to business applications & virtual desktops for BYOD users.

ACCOPS PRODUCT EDITIONS

	FEATURES	HyWorks Silver	HyWorks Gold	Virtual Browser	Digital Workspace Silver	Digital Workspace Gold	Digital Workspace Platinum	HyLabs	HyLite	HySecure Silver	HySecure Gold	HySecure Platinum	HyID Silver	HyID Gold	HyID Platinum
A	End User Computing Virtualization														
1	Windows Server based Personal Virtual Desktop (Server 2008 R2, 2012 R2, 2016, 2019)	x	x	x	x	x	x								
2	Windows Server based Shared/Pooled Virtual Desktop (Server 2003, 2008, 2008 R2, 2012 R2, 2016, 2019)	x	x	x	x	x	x								
3	Windows Server based Virtual Applications (Server 2008 R2, 2012 R2, 2016, 2019)	x	x	x	x	x	x								
4	Windows 10/8/7 based Personal Virtual Desktop	x	x		x	x	x	x							
5	Windows 10 based Shared/Pooled Virtual Apps & Desktop in Azure	x	x		x	x	x								
6	Windows 10 based Virtual Applications	x	x		x	x	x								
7	Linux based Personal Virtual Desktop		x	x		x	x	x							
8	Linux based Shared/Pooled Hosted Desktops (Ubuntu 16 & above, CentOS 7 & above, RHEL 7.5 & above)		x	x		x	x	x							
9	Linux based Virtual Applications (Ubuntu 16 & above, CentOS 7 & above, RHEL 7.5 & above)		x	x		x	x	x							
10	Remote access to physical PCs: dedicated/floating pool management		x			x	x	x							
11	Virtual Training Lab provisioning, management, and access						x	x							
B	Infrastructure Support														
1	Support for flexible desktop pool deployment: Personal, Pooled, Floating, Fixed, Persistent, non-Persistent	x	x	x	x	x	x	x							
2	Support for on-premise VMWare vSphere, Nutanix AHV, Microsoft Hyper-v, Microsoft SCVMM with complete VM provisioning, power management and monitoring for delivering virtual apps & desktops.	x	x	x	x	x	x	x							

	FEATURES	HyWorks Silver	HyWorks Gold	Virtual Browser	Digital Workspace Silver	Digital Workspace Gold	Digital Workspace Platinum	HyLabs	HyLite	HySecure Silver	HySecure Gold	HySecure Platinum	HyID Silver	HyID Gold	HyID Platinum
3	Support for KVM, Xen, GCP for Virtual apps & pooled shared desktop delivery	x	x	x	x	x	x	x							
4	VM provisioning automation using linked cloning function for VMWare vSphere & Microsoft Hyper-v with SCVMM including recompose	x	x	x	x	x	x	x							
5	Support for Azure WVD with complete VM provisioning, power management, and monitoring for delivering virtual apps & desktops.	x	x	x	x	x	x	x							
6	Support for AWS Cloud with complete VM provisioning, power management, and monitoring for delivering virtual apps & desktops and with dynamic power management with customized per day plan to save on AWS cost.	x	x	x	x	x	x	x							
7	Support for dynamic power management with customized per day plan to save on Azure cost.	x	x	x	x	x	x	x							
8	Connect via Hyper-v or VMWare console (experimental) to support users with full tunnel VPN client inside VDI		x			x	x								
C	Application Support														
1	Support for Web browser virtualization for Internet isolation: Chrome, Internet Explorer, Firefox and more	x	x	x	x	x	x								
2	Support any Windows or Linux based application	x	x		x	x	x								
3	Support for lab virtualization with time-based scheduling of virtual desktops							x							
4	Support for graphics rich apps, 2D apps and light weight 2D applications with or without having a vGPU in the VM using Microsoft RemoteFX	x	x	x	x	x	x	x							
5	Support for heavy graphics applications by utilizing vGPU on the virtual machines for virtual apps and desktop (Needs PCoIP license for better display performance)		x*		x*	x*	x*	x*								

	FEATURES	HyWorks Silver	HyWorks Gold	Virtual Browser	Digital Workspace Silver	Digital Workspace Gold	Digital Workspace Platinum	HyLabs	HyLite	HySecure Silver	HySecure Gold	HySecure Platinum	HyID Silver	HyID Gold	HyID Platinum
D	Virtual apps & desktop security management														
1	Secure File upload/download work flow with detailed audit logs: one way file transfer, file type control, file size control		x	x	x	x	x								
2	Application containerization and sandboxing for virtual apps & applications within virtual desktops, based on user and device context						x								
3	Virtual IP address for each user session for pooled desktop or virtual apps users		x	x		x	x								
4	Application isolation using MSIX packages with efficient one click application delivery		x			x	x	x							
5	User profile management using FSLogix and UPD	x	x	x	x	x	x	x							
6	Contextual Application access and application sandboxing for virtual apps & virtual desktops		x			x	x								
E	Session Experience Management														
1	Accops Shell for virtual desktops	x	x	x	x	x	x	x							
2	Session policies to control user experience and permissions, customizable at user, group, OU, server, VM and device level	x	x	x	x	x	x								
3	User session performance management with CPU overuse control and application resource allocation management		x	x	x	x	x								
4	User Experience Monitoring and Management		x			x	x								
5	Self-Service for Users for Session performance management		x			x	x								
F	Local Resource Redirection and Session Experience														
1	Driverless printing via Accops HyPrint driver for any modern and legacy application (PDF, Text based printer)	x	x	x	x	x	x	x							
2	Support for eTokens for digital certificate signing on Windows or Linux based virtual apps and desktops	x	x	x	x	x	x	x							

FEATURES	HyWorks Silver	HyWorks Gold	Virtual Browser	Digital Workspace Silver	Digital Workspace Gold	Digital Workspace Platinum	HyLabs	HyLite	HySecure Silver	HySecure Gold	HySecure Platinum	HyID Silver	HyID Gold	HyID Platinum
3 Seamless USB peripheral redirection for virtual desktops and virtual apps running on personal virtual desktops with Windows 10 or Linux	x	x	x	x	x	x	x							
4 Enhanced USB peripheral redirection for pooled virtual desktops and virtual apps running on Microsoft RDS Server (Needs additional License for enhanced USB redirection module)	x*	x	x*	x*	x*	x	x*							
G Access to Virtual Apps & Virtual Desktops														
1 Accops Desktop client to access Virtual apps and Virtual Desktop: Windows 7/8/10, macOS, Ubuntu 16 & higher, CentOS 7 & higher, Bharat OS, Windows 10 IoT	x	x	x	x	x	x	x							
2 Accops Integrated portal to access Virtual apps and Virtual Desktop: Windows 7/8/10, macOS, Ubuntu 16 & higher, CentOS 7 & higher, Bharat OS, Windows 10 IoT			x	x	x	x	x							
3 Accops Workspace client for iOS & Android to access virtual apps & desktops and Microsoft RDP based connections inside Accops container			x	x	x	x	x							
4 Clientless access to Virtual Apps & Desktops using HTML5 supported browser (HyLite)			x	x	x	x	x	x						
5 Seamless file transfer, endpoint security, USB redirection and other advanced features for Clientless portal using HTML5 browser			x		x	x		x						
6 Remote access to Virtual Apps & Desktop via Accops HySecure			x	x	x	x	x	x						
I Management, Reporting & Compliance for Virtual Apps & Desktop														
1 Productivity Monitoring on virtual apps & desktops including time spent on each application		x	x	x	x	x								
2 Session Recording for Virtual Apps & Desktops		x			x	x								
3 Watermark for Virtual Apps & Desktops		x		x	x	x		x						

#	FEATURES	HyWorks Silver	HyWorks Gold	Virtual Browser	Digital Workspace Silver	Digital Workspace Gold	Digital Workspace Platinum	HyLabs	HyLite	HySecure Silver	HySecure Gold	HySecure Platinum	HyID Silver	HyID Gold	HyID Platinum
4	Built-in reports and support for external SIEM servers	x	x	x	x	x	x	x	x						
5	Customizable dashboard & reports with detailed event collection, email alerts and reports in email. (Needs additional license for Accops Reporting Server)		x*	x*	x*	x	x	x*	x*						
6	Multi-tenancy support to manage multiple organizations from single deployment		x*	x*	x*	x	x	x*	x*						
7	Time based access to apps & resources with notifications to alert admin of expiring ACLs			x	x	x	x	x	x						
8	Multiple high availability deployment support including Active-Passive, Active-Active	x	x	x	x	x	x	x	x						
9	Support for Disaster recovery sites with automated customizable data synch	x	x	x	x	x	x		x						
10	Support Microsoft SQL Express edition for up to 2000 concurrent user deployment. Supports paid SQL editions	x	x	x	x	x	x								
11	Record resource consumption at each server, session and user level and provide detailed reports		x	x	x	x	x								
12	Centralized web based management console with dashboards	x	x	x	x	x	x								
J	**Remote Access to Private Applications**														
1	Integrated workspace access portal to access any private applications (web apps, client-server apps, virtual applications and virtual desktops), Cloud Apps, SaaS applications. (Note: Virtual apps & desktops needs separate licensing)				x	x	x			x	x	x		x	x
2	Accops Workspace client for Windows, macOS & Linux for accessing web apps, client-server apps, SaaS apps, virtual apps & desktops from a single user interface: Windows 7/8/10, macOS, Ubuntu 16 & higher, CentOS 7 & higher, Bharat OS, Windows 10 IoT				x	x	x			x	x	x			

	FEATURES	HyWorks Silver	HyWorks Gold	Virtual Browser	Digital Workspace Silver	Digital Workspace Gold	Digital Workspace Platinum	HyLabs	HyLite	HySecure Silver	HySecure Gold	HySecure Platinum	HyID Silver	HyID Gold	HyID Platinum
3	Secure Remote Access gateway with Accops SPAN technology based on application tunnels to create Zero trust-based access gateway and using latest TLS 1.3/1.2 protocol with latest cipher support				x	x	x			x	x	x			
4	Secure Remote Access gateway with Accops Turbo technology to create a seamless network extension based on Datagram based tunnel and latest cipher support				x	x	x			x	x	x			
5	Accops Workspace client for iOS & Android to access virtual apps & desktops and Microsoft RDP based connections inside Accops container				x	x	x			x	x	x			
6	Accops Workspace client for iOS & Android to access native mobile apps & email client				x	x	x			x	x	x			
7	Reverse Proxy Gateway for clientless access to web applications				x	x					x	x			x
8	Clientless access to Windows & Linux PC/VM using RDP using HTML5 supported browser (HyLite)			x	x	x	x					x			
9	Seamless file transfer, endpoint security, USB redirection and other advanced features for Clientless portal using HTML5 browser			x		x	x					x			
K	**Application Support for Remote Access**														
1	Remote access to web application, SaaS apps					x	x			x	x	x			x
2	Remote access to Internal applications; client-server, RDP, SSH, any other client-server applications, VDI solutions					x	x			x	x	x			
3	Integrated Access to Virtual applications & Virtual Desktops : Accops HyWorks support				x	x	x			x	x	x			
4	Access to VOIP & other real time applications through UDP based tunnel for jitter free experience					x	x			x	x	x			
5	Access to MyDesktop: Office PC access: remote desktop and file share				x	x	x	x		x	x	x			
6	Self-service for password and account lockout management				x	x	x				x	x	x	x	x

	FEATURES	HyWorks Silver	HyWorks Gold	Virtual Browser	Digital Workspace Silver	Digital Workspace Gold	Digital Workspace Platinum	HyLabs	HyLite	HySecure Silver	HySecure Gold	HySecure Platinum	HyID Silver	HyID Gold	HyID Platinum
L	Authentication & Authorization for Remote Access														
1	User Authentication Support: Microsoft Active Directory, LDAP, Novell e-Directory, Local Database			x	x	x	x	x	x	x	x	x	x	x	x
2	User Authentication Support: RADIUS Server, SAML, ADFS, oAuth			x	x	x	x	x			x	x		x	x
3	SSO for web & SaaS apps using SAML, oAuth (IDP initiated authentication)					x	x				x	x		x	x
4	MFA using OTP tokens (SMS, Email), Mobile App token, hardware token					x	x	x	x		x	x	x	x	x
5	MFA using FIDO Security Keys					x	x	x	x			x		x	x
6	MFA using push notification to Desktops						x					x		x	x
7	MFA using push notification to Smart phones						x					x		x	x
8	Contextual login and app access based on device Identity				x	x	x	x	x	x	x	x	x	x	x
9	Contextual login and app access based on device location, health and more advanced parameters (Device classification service)						x					x		x	x
10	Contextual access to Virtual apps & desktops and apps within VDI based on device Identity (Device classification service)						x								
M	3rd Party Applications: Multi-Factor Authentication & SSO														
1	MFA connector for SAML supported apps (SP initiated auth) & ADFS												x	x	x
2	MFA connector with Apps supporting RADIUS (network devices, etc)												x	x	x
3	MFA connector with AD integrated apps using LDAP Proxy												x	x	x
4	MFA connector for Accops biometric server & 3rd party biometric (face & fingerprint) authentication server						x							x	x
5	Contextual MFA based on device ID, user ID, application accessed, location, time					x	x				x	x		x	x
6	Step up authentication based on context					x	x				x	x		x	x
N	Endpoint Management & Controls														

#	FEATURES	HyWorks Silver	HyWorks Gold	Virtual Browser	Digital Workspace Silver	Digital Workspace Gold	Digital Workspace Platinum	HyLabs	HyLite	HySecure Silver	HySecure Gold	HySecure Platinum	HyID Silver	HyID Gold	HyID Platinum
1	Centralized endpoint inventory and categorization for devices used for remote access	x	x		x	x	x	x		x	x	x			
2	Push firmware and client upgrades to endpoints	x	x	x	x	x	x	x		x	x	x			
3	Map end users to endpoint devices and provide device contextual access	x	x	x	x	x	x	x		x	x	x			
4	Remote control and helpdesk support from datacentre				x	x	x			x	x	x			
5	Restrict Internet control: Whitelist or blacklist URLs or completely block Internet				x	x	x				x	x			
6	Restrict local LAN access				x	x	x				x	x			
7	Restrict apps from downloading data, printing, drag & drop				x	x	x				x	x			
8	Restrict clipboard, print screen, screen recording, screen scrapping tool, screen sharing tool. Create exceptions for specific program and tools				x	x	x				x	x			
9	Restrict clipboard to work within specific application for better control				x	x	x				x	x			
10	Block USB port				x	x	x				x	x			
11	Run in stealth mode on end user PC with no option to stop the agent. Password protected install and uninstall				x	x	x			x	x	x			
12	Data copy protection on endpoint machine by blocking screen shot, clipboard, screen recorder blocking				x	x	x				x	x			
13	Announcements for users	x	x		x	x	x								
O	Management, Reporting & Compliance for Remote Access														
1	Centralized web-based management console with dashboards	x	x	x	x	x	x				x	x	x	x	x
2	Watermark for End-user PC					x	x				x	x			
3	Built-in load balancing of user traffic for virtual apps & desktops and other private applications: load balancing algo; resource utilization, application availability, round robin			x	x	x	x		x	x	x	x	x	x	x
4	Integration with Accops Reporting Server		x	x	x	x	x	x	x		x	x	x	x	x

P	Other Add-on solutions	Available as Independent SKU	Accops Workspace Platinum	HySecure Platinum	HyID Platinum
1	Accops Reporting Server	x	x	x	x
2	Accops Biometric Server: Fingerprint, Facial Auth	x			
3	Accops Enhanced USB Redirection Module	x	x		
4	Accops NanoOS to repurpose old PC, OS on USB	x	x		
5	Advanced Linux thin client management with complete firmware configuration including 3rd party components, monitoring and control (Needs additional thin client management software license)	x			
6	Accops HyMobile: Comprehensive Mobile device management for iOS and Android devices for company owned devices as well as personal (Needs additional Accops HyMobile MDM Solution License)	x			
7	Teradici PCoIP Cloud Access Plus license for heavy graphics applications (monthly or annual subscription)	x			

x: Feature available

x*: Feature available with add-on components

Blank or "-": Feature not available in this edition and needs upgrade to higher version

ACCOPS NANO OS

Features	
Accops customized Linux OS for PC refurbishing	✅
Kiosk Mode Operation	✅
Support for HySecure and HyWorks	✅
NO access to local disk	✅
Access to Virtual Desktops	✅
Access to Hosted Applications	✅
Secured OS (SCAP standards)	✅

ACCOPS SEP (Enhanced Driver)

Features	
Redirect USB devices to Microsoft RDS Server for Shared Hosted Desktops	✅
Redirect USB devices inside Windows 7, Windows 8 & Windows 10 based OS for Dedicated Virtual Desktops	✅
Redirect devices based on device type	✅
Redirect printers, scanners, biometric devices, USB security tokens, other USB devices	✅
Redirect Parallel (LPT) and Serial (COM) ports	✅
Concurrent User Licensing	✅

Note: The information contained in this document is subject to change. For the latest details, please refer to the commercial proposal document received or talk to an Accops authorized sales professional.