AccOps™ Remote Virtual Browser

Safe internet browsing using browser isolation.

AccOps is a leading global provider of End-user Computing Virtualization, Zero-trust Application Access Gateway and Identity & Access Management solutions. Serving 500+ enterprise customers & 600,000+ active users, AccOps has been recognized by DSCI in its report "Security use cases & solutions for work from home" as the only VDI solution provider from India for Work from Home.

AccOps is a single-stop shop, taking care of all remote access, application virtualization, VDI, MFA, identity federation, SSO and thin client needs. AccOps' products are highly modular to fit the needs of businesses of all sizes, providing seamless access to all business applications, graphics workstations, and data. AccOps has served DRDO, IGCAR, **Ibaraki Prefecture (Japan), Flipkart, LIC, NIC, HDFC Life, L&T, Tech Mahindra, Polycab** among others.

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DSCI PROMOTING DATA PROTECTION

Internet & Cyber threats

The wide adoption of the Internet has paved the way for a variety of applications and protocols, improving productivity, enhancing customer services, and accelerating overall business growth. Most of these applications or protocols were not built to secure the Internet but to use it to deliver business outcomes. Security was an afterthought, once malicious forces started exploiting the same applications and protocols for unwarranted gains.

Businesses deploy various endpoint security and network security solutions, like anti-virus solutions, which predominantly depend on some known threat signatures. This method of detection and then mitigation doesn't work anymore as hackers can potentially establish their presence much before they are detected by anti-virus. With threats like polymorphic malware, the classic signature-based anti-malware solutions are not effective at all. Yet the cybersecurity strategy of most organizations seems to be formulated around securing an increasingly amorphous network perimeter. But, to defend against increasingly elusive threats, a multi-tiered approach to endpoint security is needed to keep the data safe from even the most polymorphic threats.

Internet Isolation

One of the best protection mechanisms against ransomware, zero-day attacks & polymorphic malware is isolation of the Internet from the corporate network. Internet is made available to the user through a Remote Virtual Browser (RVB) running on a remote computer in an isolated network. The user has a read-only access to the Internet using RVB. It ensures that Internet access remains separate from the computing done on the user PC, preventing malicious code, if any, executed on the remote server from reaching the end-user machine. Therefore, the confidential data residing on the end-user's machine is safe from malware and ransomware.

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Why AccOps Solution for Internet Isolation

AccOps provides an innovative and comprehensive solution for Internet isolation by taking care of all elements in the Remote Virtual Browser solution – session hosts, connection broker, RDP clients, secure access gateway, HTML5 gateway and makes use of Microsoft RemoteFX as the Graphics Remote Display protocol.

With advanced features like secure file transfer, USB redirection, driverless printing, AccOps Remote Virtual Browser offers numerous benefits to organizations.

Key Benefits of AccOps Remote Virtual Browser

- **Prevention of zero-day attacks:** Prevent zero-day attacks as no threat originating from Internet can reach the internal network
- **Mitigation of malware infections:** Mitigate malware infections (due to infected USBs or executable files) in users' PCs by preventing them from connecting to their command centre through Internet
- **Prevention of user-profiling by websites:** Prevention of user profiling by websites as each browser session launched by the user is a clean session and does not store any user history or cookies
- **Enhanced protection of users' endpoints:** Protect users' endpoints from any malware or harmful files that arrive through the Internet as they can infect only the remote computer with the browser and not the physical endpoint
- **Control and audit user activities:** All data upload and download to and from the user device are policy controlled and can be audited.

Case Studies

DRDO, Delhi: 100% virtualization of work as well as internet isolation was achieved. Internet access was separated from local network by delivering a virtual browser to end users. Blocking of USB and data copy was also achieved. AccOps provided thin clients, connection broker, policy-based printer redirection, USB redirection

IGCAR, Kalpakkam: IGCAR had about 1,000 scientists from its large Kalpakkam premises. Day-to-day PC usage was separated from internal network. Internet lines were isolated from the campus. Users are provided VDI for internet browsing and other study activities. All internet traffic is being isolated to DMZ.

Ibaraki Prefecture, Japan: 25,000 Employees have been provided access to both Intranet as well as Internet applications. AccOps helped Ibaraki Prefecture control direct Internet access through security policies. Users use AccOps Virtual Browser solution to access Internet from their desktop.

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