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Level Up Your Secure Access with Optimal Gateway Selection

Reliable, Secure Access means Higher Productivity and Lower Costs

Highlights

OGS for Global Access

- Global resilience for Business Continuity
- Improved productivity for mobile and home working
- Simplified user connection experience

Local vADC for ICS Clustering

- Even distribution of user sessions to ensure optimum performance
- Easy to scale by adding more ICS appliances

Combine OGS and ICS Load Balancing for peak performance and global scale

Overview

As global organizations are embracing flexible workstyles, more users than ever are looking for an enhanced user experience and service resilience when working from home. With BYOD and an evolving mobile workforce distributed across many locations, achieving Secure Access for the whole organization can be a daunting task. With the addition of Ivanti vADC to the Ivanti Secure Access Suite, the combined solution harnesses the productivity boost needed to maximize an organization's return on investment (ROI).

Ivanti vADC solutions help you provide business continuity and enhanced productivity, using Optimal Gateway Selection to keep your users connected 24×7, and ICS local load balancing to boost the performance, utilization and security of ICS appliances.
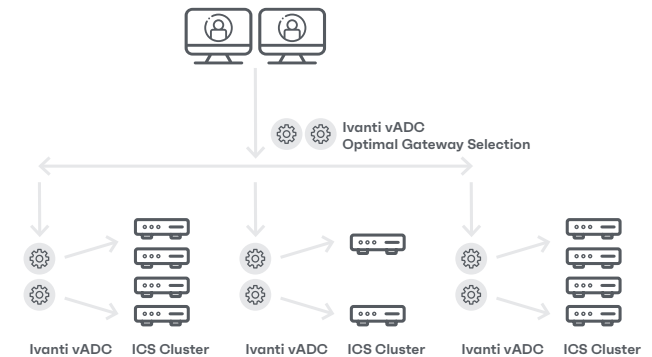
Challenges

Large numbers of users can be served by clustering a number of Ivanti Connect Secure (ICS) appliances, but this can introduce other challenges, such as inconsistent user experience, and uneven use of resources:

- Poor performance: Uneven distribution of user sessions across ICS clusters can result in some appliances becoming congested, impacting performance and productivity

- Rejected sessions: If sessions are not evenly distributed, and a ICS appliance uses all available licenses, then new sessions will not be accepted, and other users may be disconnected

- Slow connection for mobile users: Mobile users need to be connected to the nearest available location for a truly global service, to avoid slow connections or route around regional network outages

- Maintenance downtime: Ivanti Connect Secure (ICS) appliances can be clustered together using a network load balancer, but adding more ICS appliances may require downtime or outage to implement configuration changes
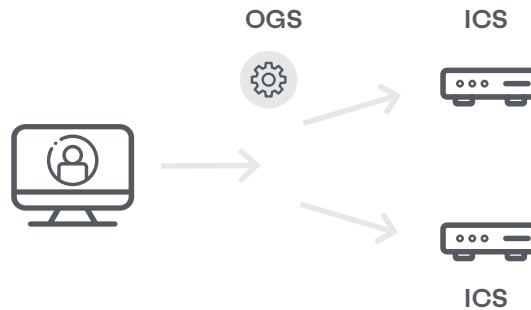

Figure 2: Optimal Gateway Selection

Optimal Gateway Selection for Global Access

Ivanti vADC makes it really easy to implement Optimal Gateway Selection (OGS), so that users are automatically connected to the nearest available application gateway. For example, using Ivanti Connect Secure for mobile access and home workers, OGS will check the service availability at each location, and then redirect new sessions to the nearest location, helping your users stay online and productive. OGS uses intelligent DNS load-balancing to select nearest available gateway - so it is easy to integrate with your existing Secure Access strategy.

- Connect new sessions to the nearest available location, helping your business stay online

- Deploy robust, reliable VPN solutions, with optimal performance and rapid failover

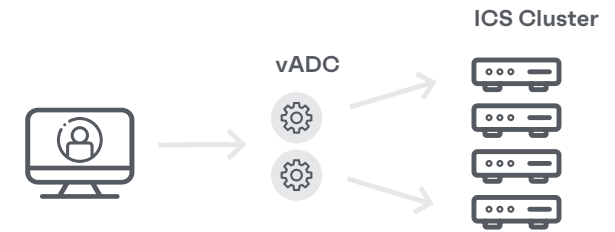- Simplify user connection experiences, with one single URL for your global VPN service

Figure 3: ICS Local Load Balancing

Local Load Balancing for ICS Appliances

Ivanti vADC provides even distribution of sessions, even when server appliances and gateways have different sized capacity. For example, using Ivanti Connect Secure, Ivanti vADC will check the health of each appliance, and balance license usage across each appliance in the cluster, steering traffic towards lightly-loaded appliances, increasing the utilisation of ICS appliances and licenses.

- Improved utilization of ICS appliances, efficient session balancing, optimal capacity management

- Seamless scalability, adding or replacing nodes in the cluster with no unnecessary downtime

- Service Protection - Customize and enhance session policies, prioritizing sessions at peak times

Ivanti vADC is designed for the next generation of innovative, high-performance applications

1   **Download Ivanti vADC Community Edition Today**

2   **Transform your Secure Access Infrastructure with Optimal Gateway Selection**

3   **Improve performance and productivity with integrated ICS Load Balancing**

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