

G/On™ Fact Sheet

Solution for Secure Mobile Application Access

Maximum Mobility, Flexibility, and Security

G/On is a software solution that delivers managed access to corporate applications giving users maximum mobility, flexibility, and security to work from anywhere using any device based on Windows, Mac OS, Linux, and iOS (iPad/iPhone).

G/On is convenient for the user

Most G/On users prefer the flexibility and mobility of the G/On USB Token that serves as their personal authentication token as well as a storage device for the G/On client software. The G/On USB Token can be used on any Windows, Mac and Linux based PC and gives employees and external staff optimal flexibility and mobility when they work from out of the office.



G/On is simple to use

Simply plug in the USB Token on any PC or Mac and launch the G/On client software. Enter your user name and password and press enter. The next thing you see is your menu of applications. If the G/On client software is installed on your PC, simply click the G/On icon, or, if you have downloaded the client from Apple's App Store, simply tap the G/On icon on your iPad or iPhone.

G/On is innovation

Based on a patented technology, G/On provides secure connectivity for users to their applications without using a traditional VPN. Rather than the typical device management approach of a VPN, G/On provisions, secures, and manages individual connections from application client programs to corporate IT services.

Some key benefits of this unique approach for access to corporate IT systems are:

- Corporate IT administrators control 100% which application services users can access. Even to the level of giving a single user access to one specific application in a specific time period.
- G/On does not make the user device part of the corporate network. Rather than surrendering control of their device to corporate IT, users remain in control of, and manage, their own device.
- Users have full flexibility to use a device of their preference. For instance, they can use their desktop PC while at home and, say, their iPad while travelling.

Enterprise Security that's easy to manage

G/On is a client/server solution that handles all aspect of connectivity and security. That makes it simple for corporate IT to implement and manage security policies. The G/On client runs on the user device and manages the user interaction as directed by the G/On server.

- Users must login via a two-factor authentication process. One factor is a device ("something you have") in the form of a USB token or the user device itself, for instance the iPhone. The second factor is the user name and password ("something you know") and is typically verified against the existing user directory.
- User must have authority to access at least one corporate application service
- All communication between the G/On client and the G/On server is encrypted and all connections go through just a single port in the external firewall of the company.
- The G/On Server is the central point of access and it enforces the established authentication and authorization rules and provides detailed logging.

Application Access

Corporate applications made available to the user are very conveniently presented in a menu on her/his device and the menu is generated by the G/On Server based on policies and potentially any



conditions related to the device or where the user is connecting from.

The user simply clicks on the desired menu item which will cause the G/On Server to launch the proper client

application, establish the secured connection, and connect the client application to the corresponding server.

Typical application services that G/On customers enable for secure access through G/On are:

- Access to employees' office desktop ("My office PC")
- Microsoft Terminal Server farms
- Citrix Server farms
- Email via Outlook or Outlook Web Access (OWA)
- Intranets and portals
- Web applications
- Specific client/server applications like ERP and CRM systems
- File shares

A G/On solution suited your needs

G/On is an on-premise solution incorporating a number of optional features for configuration and enabling of applications:

- Access to office PC's with single sign on and Wake-on-LAN (WOL)
- Access to Microsoft Terminal server farms and Citrix server farms with single sign on
- Access to web servers with single sign on (basic authentication)
- Access for applications via port forwarded tcp, http, and socks proxy connections
- Multiple gateway servers for fail-over and load balancing
- Support for Microsoft Active Directory and LDAP compliant user directories

G/On security features

In a single product, G/On provides not only the connectivity but it also provides state-of-the-art security:

- USB Token authentication using smart-card generated and stored 2048 bit RSA keys and smart-card processed challenge/response protocol.
- PC and iPad/iPhone Token authentication using 2048 bit RSA keys generated by CPU and challenge/response protocol processed by CPU.
- User name/Password verification processed by existing user directory. Token and password authentication are verified independently, but in case of failure, the G/On Server does not reveal the failing factor.
- 256 bit AES encrypted communication between the G/On Client and the G/On Server
- G/On Server enforcement of specific policies that must exist before a user is given access to a service preventing client to create unauthorized access.
- Communication between the application client and the application server is done by proxy. That separates user device and the application client from the corporate network and prevents clients from making direct connections to the network.
- The G/On Server provides special support for the RDP and the HTTP protocols that include protocol inspection for added protection against targeted attacks on Microsoft Terminal Services and web servers.
- For added protection for access from unknown user devices, G/On includes an optional feature that gives G/On users the possibility to boot a PC directly from their G/On USB Token and automatically start a locked-down Linux operating system with secured G/On connectivity to the G/On Server.

Please contact your Giritech Partner or Giritech directly for more information on how G/On can benefit your business