

# The AppGate Satellite Concept

## Technical Description

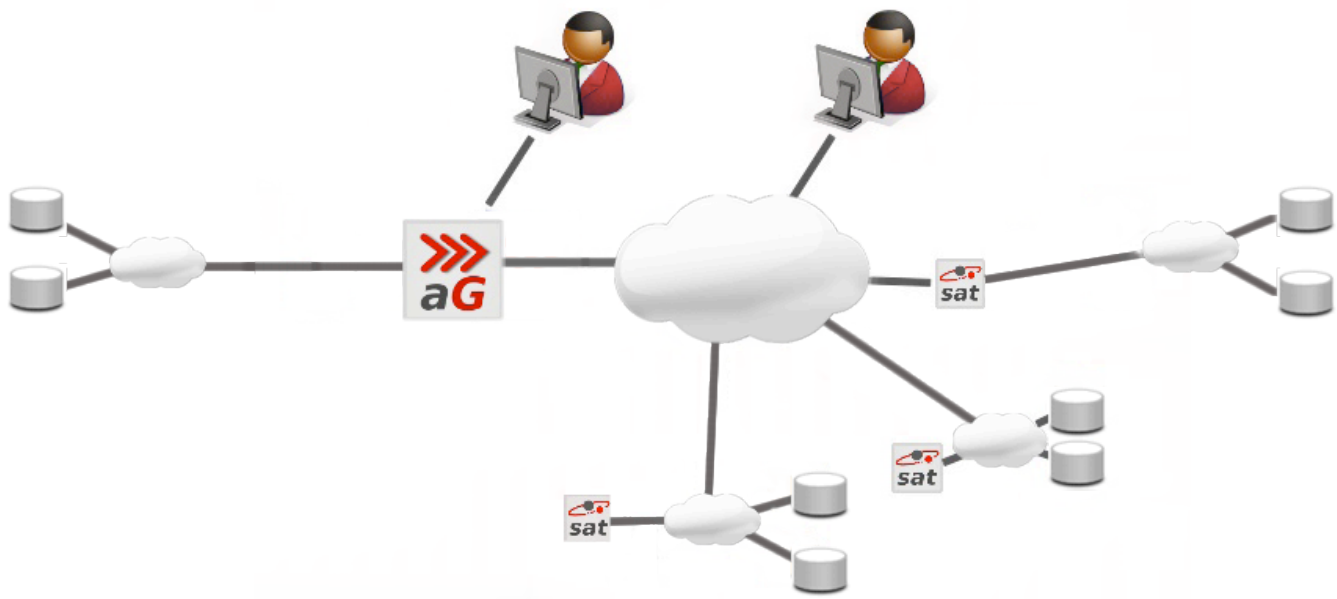


AppGate Satellites make it possible to extend networks to remote locations. The Satellite is a small server installed at remote locations extending an AppGate Server's functionality. It can offer transparent access to remote services, allow remote users to access central resources and in many other ways connect users, services and devices on different networks. Everything is centrally administered at the AppGate Server and no changes are normally needed on the remote networks. There are many situations where the AppGate Satellite concept simplifies connectivity and security work.

The AppGate Security Server offers secure role-based access to selected resources. It unifies all the necessary security elements such as authentication, authorisation, encryption, access control, client control, single sign-on, monitoring and reporting into one easy-to-manage, comprehensive solution. The AppGate Satellite concept now extends this functionality by seamlessly connecting remote networks to the AppGate Server. For more information about the AppGate Server, please see "AppGate Security Server – Technical Specifications".

The Satellite concept is an easy way to extend a network to also include remote networks and servers. Traffic between the connected networks is always encrypted and the AppGate server can control exactly what traffic is allowed between the networks and what users can access what services.

The Satellite is very easy to deploy at the remote sites. Satellites can use dynamically assigned addresses obtained via DHCP, and they will automatically establish a secure connection from the remote network to the AppGate server. There is no need to reconfigure firewalls at remote sites to allow incoming traffic since the Satellites establish all connections to their controlling AppGate Server.



## Use Cases

- ✓ Secure access to owned systems at remote networks. A Satellite is placed at the remote server network and to take care of all traffic.

Use cases include access to remotely managed servers and own equipment at customer premises. The Satellite also acts as a firewall and can protect the network and servers from hostile traffic.

- ✓ Central access to remotely placed computers or devices. The satellites offer seamless access to devices such as printers and control systems at remote networks.
- ✓ Remote users and servers that need secure access to central resources. The Satellite concept is an alternative to using the standard AppGate solution with client software in each workstation and server to access central services. Instead, the Satellite receives all traffic and sends it encrypted over insecure networks to the AppGate server.
- ✓ Application service provider for customers (SaaS) and cloud service providers that need to control access to servers placed on public networks. All Satellites are controlled from a single AppGate server.

The Satellite concept is very flexible and AppGate Satellite servers extend networks to include remote networks and servers.

## Key Functionality

- ✓ Network extender. Easy access to remote networks or systems. Possibility to define exact access rules to remote addresses.
- ✓ Access rules may permit network to network connectivity or on a per user basis, access to selected applications on remote networks.
- ✓ Non-intrusive solution. The Satellite fits into existing infrastructure and is very easy to deploy. There is normally no need to change the network architecture or firewall rules at the remote networks. The Satellites will establish the connection to the AppGate server, i.e. only one outgoing TCP connection will be seen from the Satellite to the AppGate server.
- ✓ No local training. Satellite configuration is done at the AppGate server and is pushed to the Satellites when changed. Initial deployment is done using a USB stick. There is no need for security administrators to visit local client offices.
- ✓ The Satellites has built-in firewall functionality and can be placed on insecure networks such as on the Internet. They do not replace conventional firewalls but they are capable of protecting themselves and servers/networks on the other side of the Satellites.
- ✓ The Satellite concept can replace the need for multiple AppGate Servers in some installations.