

CLIENTLESS

SECURE ACTIVESYNC GATEWAY



Smartphone synchronization with Microsoft Exchange ActiveSync

PointSharp Secure ActiveSync Gateway protects the infrastructure and each users Exchange account from being hijacked. It's clientless and supports a mixed environment with the 'Bring Your Own Device' model.

Executive summary

Smartphones are revolutionizing the way we work. Users request one device for private and company usage, not two. From this the 'Bring Your Own Device' model has emerged and is getting more and more popular. This introduces challenges with device management, privacy, security and cost. To meet this challenge, PointSharp Secure

ActiveSync Gateway is 100% server-side with zero footprints on the device. Integrating with Microsoft ActiveSync and Exchange ensures support for all devices. Policies are enforced centrally without any client installation. Clientless Mobile Management ensures easy and secure smartphone synchronization with Microsoft Exchange.

BUSINESS VALUE

BRING YOUR OWN DEVICE

Designed for a mixed environment with private and company smartphones.

MOBILE MANAGEMENT

Clientless approach preserves the user experience and enforces company security policies.

SMARTCARD SUPPORT

Smartcard environments with no password are supported and still clientless.



www.pointsharp.com

Secure ActiveSync Gateway

PointSharp Secure ActiveSync Gateway is built on Microsoft TMG 2010 and can be run as software or appliance. The Smartphone communicates with Microsoft Exchange server via the gateway which processes the Microsoft ActiveSync protocol supported by an internal protected server running in a Windows Server.



Bring Your Own Device

PointSharp Secure ActiveSync Gateway supports a mixed environment where employees are allowed to use private and company provided devices without any client installation.

Private devices

PointSharp Secure ActiveSync does not install anything on the device. This is an important factor from a cost, privacy and legal perspective.

Company devices

The devices can be identified and get the same protection but receive higher security clearance if they have support for Microsoft Exchange Policies, e.g. device encryption and screen lock enforcement.

Microsoft ActiveSync

Built with Microsoft ActiveSync ensures support for all devices.



Administration and deployment

PointSharp Secure ActiveSync Gateway provides enterprise administration and support a variety of deployment scenarios.



- Web administration
- Self-service portal
- Web-service API
- User notification with SMS

Gateway Security Layers

PointSharp Secure ActiveSync Gateway is built with a layered security that processes the ActiveSync protocol and ensures the highest level of security performance.



- Perimeter
- Authentication
- Policy
- Enforcement

■ Perimeter layer

All sessions are validated in the perimeter guaranteeing that only trusted devices will reach the Exchange Server or the Active Directory.

■ Authentication layer

The user is identified, the device is identified and the partnership between the user and the devices are confirmed.

- **Authentication proxy.** Denial of Service and Brute-force protection.
- **DeviceID.** Unique partnership between device and user.
- **PointSharp Password.** Alternative password/PIN-code instead of domain password.
- **One-Time Password.** Strong authentication during a defined time frame in combination with PointSharp ID.

■ Policy layer

Advanced policy engine that allow customized security policies using a wide range of parameter.

- Smartphone type
- Active Directory roles
- Exchange content

■ Enforcement layer

Ensures the security policy is executed. New devices can be placed in quarantine. Devices can be blocked and wiped without the need of a factory-reset where private data e.g. photos, notes etc. are lost.



- Protocol level enforcement
- Device quarantine
- Soft wipe and block