# Atea EMP
# Extension Mobility Proxy

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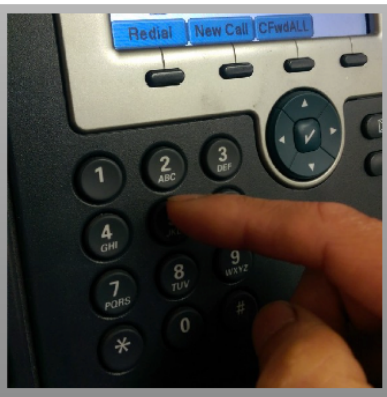
## Easy log on for Cisco IP phones on AD connected systems

*Many Cisco telephone systems are now connected to your organisation's computer directory system. This is to make things simpler by using single sign-on user names and passwords. But for users logging into IP desk phones with just a number pad, entering your account details is just plain hard.*

With working environments trending towards hot-desks and flexible working, people are often sitting at any desk. The Cisco Extension Mobility feature allows people to adopt the local desk phone as their own. To do this, the user simply "logs on" to the phone.

Additionally, many phone systems are also linked to the computer directory to ease of administration of user accounts. By linking these systems, the user has a single user name and the passwords are synchronised.

However, when it comes to logging onto a desk phone, it is no longer simple. Entering your user name and complex password on a phone keypad is tricky at best.



Entering your user name and password using a phone keypad is tricky

So we have a quandary. Account names need to be synchronised, the security gurus demand that we have complex passwords, and yet we only have a basic phone keypad.

### Extension Mobility Proxy provides PIN for desk phones only

Atea Systems have a tool to make it easier to log onto a desk phone, and keep complex passwords for the user account. The Atea Extension Mobility Proxy works with the phone system UCM (Unified Communications Manager). This allows the user to simply enter their phone number and a PIN (or other suitable credentials) on a desk phone. The normal user name and password is still valid elsewhere, such as the user's Jabber softphone.

The key benefit here is to make it easier for people. They get to use their single sign-on account details for everything that has a normal computer keyboard, yet have a simpler PIN based system for IP phone keypad.

**Security is maintained where it is needed**

This approach, enforces PIN style security on the desk phone. It provides a reasonable level of security for a device that is used to make or receive phone calls. This is a better alternative to disabling phone security which is the other user friendly option.

Importantly, the normal security standards are maintained for all other situations as the normal user name and password stay the same.

**Scaling and resilience are covered**

The extension mobility system can be configured across multiple servers to provide both scale and resilience. These servers can be homed back to several UCM systems to provide both the throughput and service up-time. This is important, as the extension mobility proxy is used for authenticating all phone devices using the UCM.

**Working across clusters**

Many large organisations have more than one UCM cluster. It's important for any of their staff to be able to log in from any phone on any cluster. The Atea EMP provides cross cluster support by authenticating a user to their home cluster and logging them in to the cluster the phone is connected to.

**Making it easier for people to forget about the technology**

Tools like the extension mobility proxy, enable people to get on with the task at hand, and let the technology slip into the background. Making technology easier to use is a key goal for any ICT department.