Mobility

technology unscrambled

Contents

Foreword

International Data Corporation (IDC) anticipates in just three years, mobile workers will account for more than one-third (37.2 %) of the global workforce. That's 1.3 billion mobile workers.
January 2012

With the prolific growth of mobility in the workforce, users are demanding anytime, anywhere access to computing capability and corporate applications; the boundaries between home and office are diminishing.

With a diverse array of **devices, connections and applications**, there is a challenge to effectively deploy and manage mobility in your workforce.

The Consumerisation of IT
Traditional IT boundaries are being extended as Bring Your Own Devices (BYOD) are increasingly being used to access back-office systems as employees demand more functionality and access to the information and resources that they need.

Today, it is no longer about wired versus wireless – it is about providing 24/7 secure access to business resources to a mobile workforce using a broad range of communication devices.

This latest edition of Technology Unscrambled considers the key components of 'mobility in the workforce'.

For your convenience, the pages with a blue background introduce Aruba Networks, one of Tek Response's recommended Mobility vendors. These pages illustrate how Aruba is enabling customers to address their mobile network access solutions.

Mobility

Empowering Your Mobile Workers

How is your organisation managing the growth of mobility?

Is mobile management a key component of your strategy?

Can you leverage this anytime, anywhere access to data as a competitive advantage?

What tools, processes and policies have you put in place to deploy, secure and manage applications?

Do you have a unified access network architecture that is optimised?

Mobility

Users are Driving the Architecture

Recognising the benefits of extended mobility...

The rapid adoption of mobile devices demands a new access network architecture.

Managing mobile devices has unique characteristics that are unlike fixed desktop management. Specific tools, processes and security measures must be deployed to ensure its success, adapting to the growing number of device and connection types. A scalable infrastructure must be able to cater for user types, usage models (wired and wireless) and expanding device types, without the need to re-architect your support systems.

Let's show you how we address this challenge with Aruba Networks...
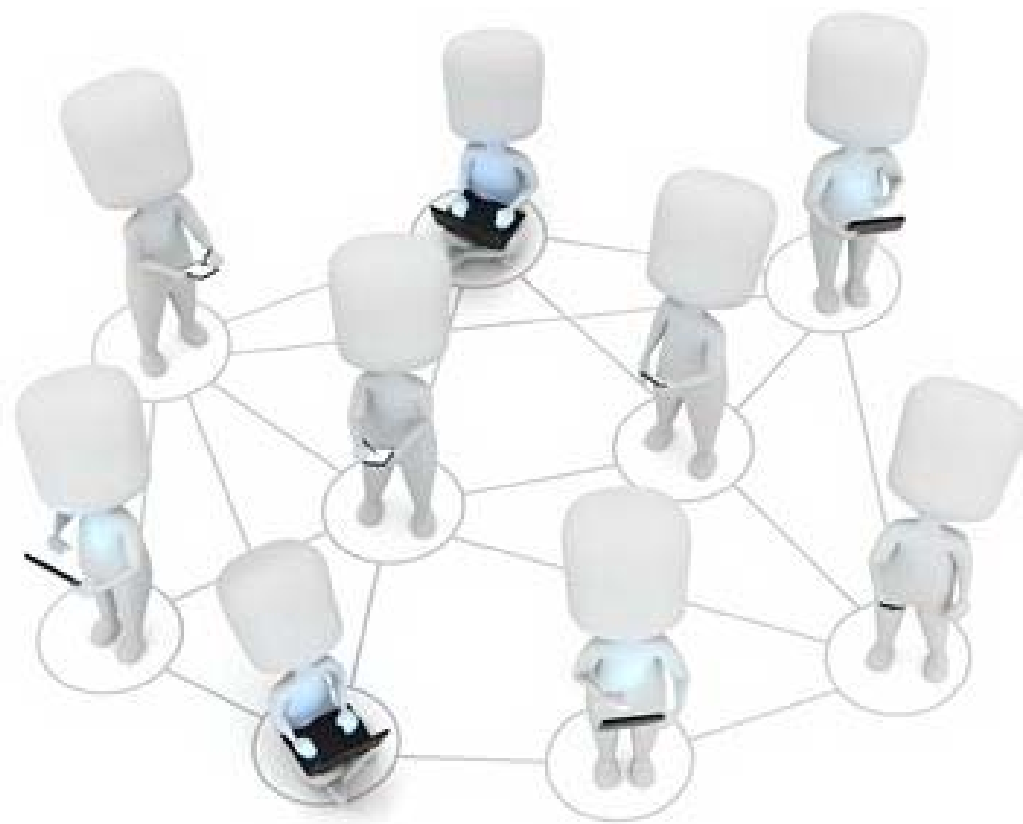
Mobility

Aruba

'The LAN as we know it no longer exists. WiFi-enabled mobile devices are on track to outnumber desktops, and enterprise networks are moving rapidly from wired to wireless as the way to connect.'

Aruba Networks- the leading provider of next-generation network access solutions for mobile enterprises.

'At the same time, it's no longer about wired versus wireless. In fact, the notion of networks being wired or wireless has become irrelevant. Today, it's about mobility and providing secure access to network resources wherever your workforce happens to be.'

That's what the Aruba Mobile Virtual Enterprise (MOVE) architecture is all about.

With MOVE, mobility services such as authentication, authorisation, policy definition and enforcement can be handled through a variety of devices depending on the size and complexity of the network.

Mobility

Aruba's MOVE™

Aruba's MOVE™ architecture unifies wired, wireless and remote access infrastructures into one seamless, cohesive network access solution. It eliminates redundant services, together with the cost and complexity of managing separate access policies, to provide capital and operational cost savings.

MOVE is driven by mobility, the proliferation of WiFi-enabled mobile devices and multimedia applications, and is designed to support BYOD access.

Privileges are linked to a user's context – providing consistent, secure access to network resources based on who users are – no matter where they are, what devices they are using or how they are connected:

- Identity-based security assigns a consistent set of access policies to users and enforces those policies across the wired and wireless.

- Users are able to roam with their mobile devices without having to re-authenticate when they move location.

- Device intelligence, called 'device fingerprinting' added to the corporate WiFi network provides IT departments with mobile device access control enabling BYOD to be embraced.

- End-to-end visibility and control simplifies the management of mobile users across multi-vendor, multi-site networks.

Aruba's Unique Capabilities

Identity-based security offers a granular and powerful security policy. Access privileges can be allocated and quality of service prioritised based on the identity of the user, the device, the application, and the time of day.

Aruba's signature **Adaptive Radio Management (ARM)** capability automatically optimises performance and reliability, even in high-density environments - minimising contention, improving airtime fairness, and enhancing the user experience.

The **Airwave Management Suite** offers the most efficient and effective way to ensure high service levels. Aruba's real-time heat maps, ability to track where a wireless device has been over a period of hours, and remote packet capture, allow help desk professionals to rapidly resolve trouble tickets remotely.

Mobile Edge Architecture allows end-users to seamlessly roam to different locations within an enterprise campus or office building while maintaining secure and consistent access to all network resources.

Aruba **Mobility Access Switches and wireless Access Points (APs)** are self-installing and self-configuring via predefined parameters created in the Aruba Mobility Controller. Significant time savings are gained as the Mobility Controller pushes out configurations to all devices, preventing the need for manual configuration.

Amigopod simplifies visitor management by streamlining workflow processes, allowing receptionists, employees and other non-IT staff to create temporary accounts for WiFi access.

Guests and employees with mobile devices can self-register for network access. Once registered, Amigopod delivers account login credentials to users via SMS text message or email. Accounts can be set to expire automatically after a specific number of hours or days.

Mobility

People move, networks must follow.

Aruba's MOVE[TM]

Aruba MOVE supports a wide range of network access modes:

Access Points (APs): provide WiFi client access across a wide range of indoor and outdoor environments.

Mobility Access Switches: enable secure, role-based network access for wired users and devices, independent of their location or application.

Remote APs (RAPs): enable secure network access to corporate resources from remote locations.

Outdoor: Aruba wireless mesh routers bring high-performance networking to outdoor environments where wired connectivity is impractical or unavailable.

Virtual Intranet Access (VIA) client: provides secure remote network connectivity for Apple iOS, Mac OS X and Windows mobile devices and laptops.

Mobility

Mobilise to Rightsize Your Network

Conquering Today's BYOD Challenge

Rethinking Remote Access: Pervasive Enterprise Mobility Using Remove Access Points

The Aruba Mobile Virtual Enterprise
A Mobility-Centric Network Access Architecture

Want to know more?

Click on the icons opposite to access Aruba's White Papers relating to mobility-centric networks, rightsizing and BYOD initiatives.

Mobility

Tek Response Awarded Aruba Silver Partner Status

Tek Response has been awarded official Silver Partner status by Aruba Networks, the preeminent provider of next-generation network access solutions for the mobile enterprise.

This status recognises Tek Response's ability to provide its clients with the very best network access solutions. Combined with Tek Response's product knowledge and technical expertise, clients can be confident they are receiving professional advice and solutions that address their specific needs.

Tek Response's Managing Director Dave Graesser said: "This status reinforces our ability to create practical client-focused solutions that incorporate market leading technologies. As we witness an ever-increasing move towards the mobile workforce, products from Aruba Networks enable us to effectively enhance our offerings to our growing UK client base."

Andy Clark, UK and Ireland Channel Manager, Aruba Networks commented: "We are delighted to be working with Tek Response. Their ethos and commitment to providing high levels of customer service, combined with their proven, longstanding expertise marries perfectly with Aruba's innovative network access offerings."

Mobility

Conclusion

This guide highlights the need for a mobility-centric approach; context aware and context ready.

The explosion of mobile devices demands a network architecture that addresses users, their devices and their locations.

Organisations need to review new ways of working as employees drive this architecture. This 'inside-out' approach provides the opportunity for you to right-size your network investment.

Talk to us about your mobility strategy...

- Mobilising your workforce
- Creating a scalable WiFi infrastructure
- Supporting BYOD access, multimedia applications and WiFi enabled mobile devices
- Securing your mobile environment—policy enforcement
- Addressing the consumerisation of IT
- Your hardware requirements: Access Points, Remote Access Points, Mobility Access Switches

Mobility

Additional Tek Response specialisms:

Storage	Virtualisation
Software	Hosted and Managed
Networking	Security
Server	Cloud
Access	Professional Services and Support

For more information, simply telephone 0370 350 2552

or email info@tekresponse.co.uk