

BT Corporate Fusion

Technical View

Meeting the needs of the mobile enterprise

A modern enterprise depends on a wide range of networks, devices and applications for office based and mobile communications. This creates confusion and complexity for users and the IT department alike. The challenge is how to get the most from your existing infrastructure, and deliver the communication services users need wherever they are.

BT Corporate Fusion provides the answer. By converging fixed and mobile communications you can improve user productivity, enhance customer service, simplify user and technology management, make better use of your communication assets, deliver greater management control, as well as ensuring security and legislative compliance ...

BT Corporate Fusion technical options – selecting the right options for your business

BT Corporate Fusion is particularly relevant for enterprises that wish to retain on-site ownership and control of their communication assets, and where integration with their PBX is a pre-requisite.

Designed for your enterprise

BT will work with you to assess your business and technology requirements, and design and implement a solution that's ideally suited to your business. This may include:

- Analysis of working practices to identify target users that will potentially gain the most benefit from BT Corporate Fusion.
- Detailed site surveys to design the optimal WLAN upgrade and/or deployment requirements.
- Potential integration of enterprise communication applications such as e-mail, directory services and CRM solutions.
- Optimisation of hardware and network infrastructure for maximum resilience.
- Assessment and design of optimal security policies for converged communications.
- Call profile analysis to assess the potential cost of deploying BT Corporate Fusion.

BT Corporate Fusion solution components

BT Corporate Fusion uses a combination of hardware, software and networking technology to integrate mobile communications with your corporate network, taking advantage of voice over WLAN across the office estate. This solution comprises:

- Selection of dual mode devices with embedded BT Corporate Fusion client software (currently the HTC S620 and shortly to include the HTC S710 & Nokia E51).
- Cisco PBX Interoperability (Cisco Call Manager IP PBX version 4.1 to 6.1) Avaya PBX Interoperability (Avaya Communications Manager (v3.1.3) with one-X (SES 3.1.2)) Additional PBX vendors to be added (including Nortel CS1000).
- Wireless LAN for the transport of voice and data traffic: Cisco Aironet is preferred with others, subject to survey.
- BT IP Clear or MPLS network for the transport of voice and data traffic between sites.
- A BT Business Class mobile contract or any other mobile operator contract that provides SIM cards for use in dual mode devices.
- Sun server hardware with Solaris operating system.
- NewStep software licenses, either:
 - CSN30 which comes with 250 user licenses, but can manage up to 30,000 users; or
 - CSN1 which comes with 25 user licenses, but can manage up to 1,000 users.

The user capacity of the standard solution is 30,000 users per enterprise, which can be scaled up if required.

BT Corporate Fusion functionality

BT Corporate Fusion is designed to deliver productivity on the move for the specific needs of enterprise customers, with enterprise-strength security, scalability and resilience. Key features included within the BT Corporate Fusion include:

- **Voice over WLAN:** using a BT enabled dual mode device across an enterprises' Wi-Fi enabled estate.
- **Data applications:** access to push e-mail, calendar, select Microsoft applications (including Excel®, Powerpoint® and Word®) and customised corporate applications.¹
- **Network handovers:** seamless in-call handover between GSM and office based Wi-fi networks.
- **Access point handovers:** seamless handover between access points within building.²
- **Device handovers:** easy handover between mobile device and desk phones.
- **Converged voice features:** one number, one voicemail (based on PBX voicemail system).
- **Enhanced voicemail features:** voicemail intercept (when message is being left by incoming caller).
- **Numbering and CLI:** Fixed PBX number.³
- **PBX features:** access to corporate directory, short code dialing, call divert, conferencing and call recording.
- **Ringling:** Simultaneous or preferred ringing across multiple devices.

A world leader in convergence:

Why BT for Fixed Mobile Convergence

BT is a pioneer of fixed-mobile convergence. We invest substantially in research and work with many industry bodies to develop new standards and technologies that benefit our customers. Key benefits of working with BT are as follows:

- **Extensive experience:** BT has extensive expertise in fixed-mobile convergence technologies, such as Wi-Fi, GSM, IP WANs, PBXs and protocols such as SIP, and one of the most advanced sets of IP products and services available.
- **BT 21CN capability:** As part of the BT Corporate Fusion roadmap, BT 21CN will enable BT to offer enhanced services such as presence, location information and device management.⁴
- **Key industry influencer:** Within the Fixed-Mobile Convergence Alliance BT is active in the development of IEEE 802.16 and other communication standards; BT is also an active member of the 3rd Generation Partnership Project (3GPP), the Open Mobile Alliance, the WiMAX Forum and the Wireless Broadband Alliance.
- **Expert advice:** Our convergence, mobility, networking and flexible working experts can advise on the best business and technology strategies for your organisation.
- **Proven portfolio of mobile services:** BT has in excess of 1 million BT MobileXpress users and growing BT Vocera customer base.
- **Assured security:** BT Corporate Fusion offers enterprise-strength security and resilience for communications inside and outside the office.
- **Leverage existing investments:** BT Corporate Fusion is designed to leverage your existing investments in fixed and wireless communication networks.
- **Transparent and flexible pricing structure:** Optional upfront and ongoing payment models with simple per user pricing.⁴

Contact your BT Account Manager to learn how BT Corporate Fusion can help you increase productivity and improve business efficiencies

Notes:

- 1) Supply, integration and management of Microsoft Windows Mobile applications (such as Excel®, PowerPoint® and Word®) and the customer's bespoke corporate applications is not part of the BT Corporate Fusion service; BT does not take responsibility for the integration and ongoing usage.
- 2) Subject to site survey, building structure, technical conditions and in-country regulatory restrictions.
- 3) Subject to regulatory feasibility of using fixed PBX number (on a per country basis).
- 4) Pricing may vary on a per country basis and be dependant on incountry regulations.

Offices worldwide

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