

Campus Wide Integration Strategies

- A view from IT Perspective

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Overview

- Future office
- What these trends mean
- Campus wide integration strategies
- A couples of concerns
- Our views to these concerns from IT perspective

Future Office

- The typical operation of a company
 - Information recording and information transmission
 - The time on this basic activities determine the operation efficiency of the company
- Bill Gates' View to future office
 - Office work goes digital
 - Not so much paper

Republic Polytechnic's Paperless Experience

- RP was formed in 2002
- We started with “paperless” strategy
- Today we are operating in a paperless mode
- All information are exchanged in electronic way, even for our building management people
- The laptop computer is the office
- The trends is clear – more and more people exchange information in electronic way
- The constraint of the time and location will be eliminated

What this trend means ?

- Information exchanged through access terminal (PDA, Laptop, PCs, or intelligent devices, etc)
- Information resources and machine to be managed by people need to be connected to the common network
- Intelligent building related devices shall be connected to the common network

Campus wide integration strategies

- One physical IP network for all devices
 - Similar to the public road system
- All devices must be IP based
 - Door access, CCTV, PA, Projector, BMS, etc.
- The software shall offer all necessary management features over web or windows client software
 - BMS, Door access, CCTV, PA, Projector, etc
- Other software shall be integrated together
 - Facilities management, facilities booking, security

A typical concerns of such strategies

- IT Security issues
- Performance issues (such as bandwidth)
- Management responsibilities

Our views from IT Perspective for those concerns

- IT Security issues
 - The ‘partition’ features offered by the network devices
 - Many other security devices are available to address such concerns
 - Multi-factor authentication
 - Network access control and monitoring
- Performance issues (such as bandwidth)
 - The network offer up to 200-700 Gigabit bandwidth
- Management responsibilities
 - Service level agreement
 - Outsourced management

The desired outcome

- The estate officers
 - The building management officers and workers will use their laptop computer or PDA to send/receive instructions and act on the work
 - The laptop computer is the window to access all the information to get their job done
- The end user of the building
 - Gaining access to all necessary information thru web

End