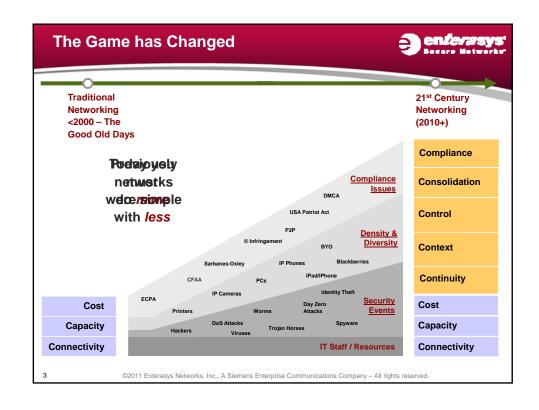
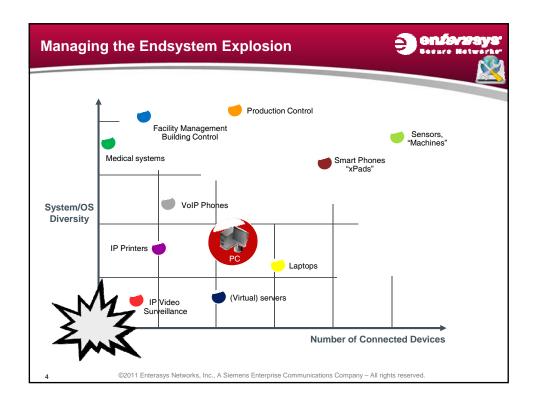


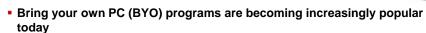
1





The Challenge with "BYO"





- Allows individuals to work from the device of their choice
- Increases employee/user satisfaction
- Lowers IT costs

Various types of devices

- Bring your own (BYO) iPhone, iPad, tablet, netbook, smartphone

Higher security and management challenges even corporate devices are used

- private and sensitive corporate data reside together on a single device
- "Apps" that get typically installed on today's smartphones and Pads are not controllable
 - so this opens a huge backdoor into today's enterprise IT infrastructures.
- Variety of hardware and software platforms must be supported
- Restricting the use of additional "apps" on the devices via organizational rules is not really a workable solution
 - If one does so the value of these new devices to the employee is suddenly very limited

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Access Layer Concerns



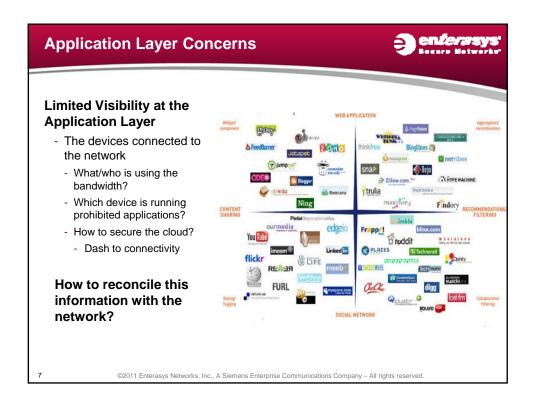
Limited Visibility at the Access Layer

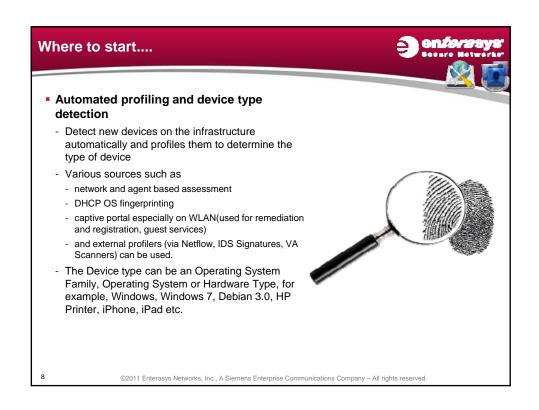
- The devices connected to the network
 - Users
 - Headless IP devices
- Location of each device switch, port, AP, SSID
 - Trusted area
 - Restricted area
- The access controls applied to each device/user
 - IP Phone role
 - Enterprise user IT, Faculty, HR, etc
 - Guest
 - Restricted Contractor
 - Quarantine
- Security state



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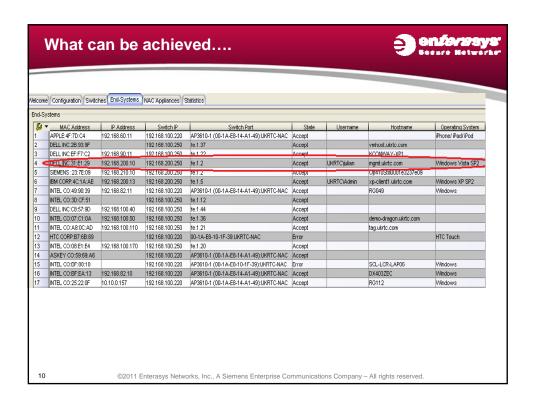


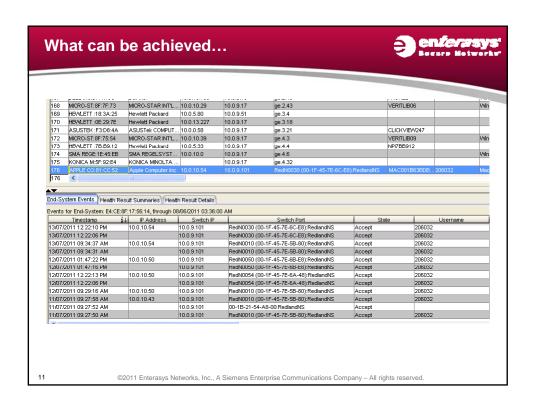
Where to head....

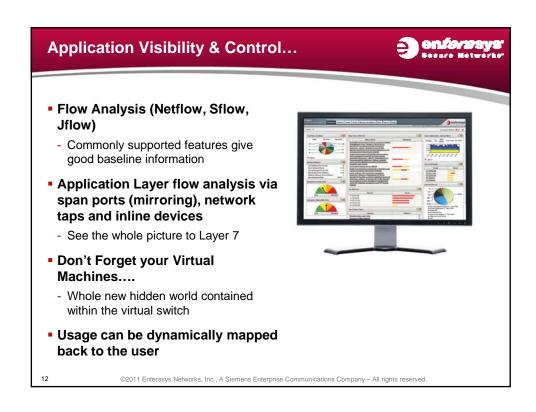


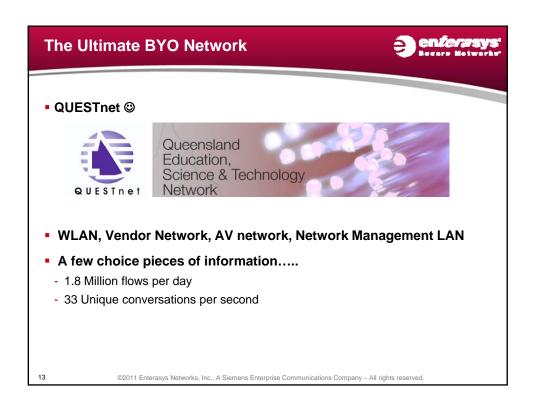
- The information already exists to gain visibility and control on virtually ANY network.
- Mappings:
 - Switches care about Layer 2 Source MAC
 - Routers, Firewalls, IDS/IPS care about Layer 3 Source IP
 - Directory services care about objects Account names
 - Human beings care about the who is the user....
 - Map these items together Authentication (802.1x & MAC), DHCP listening & Kerberos snooping.

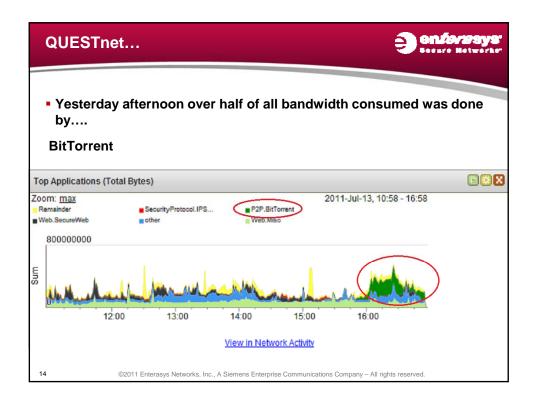
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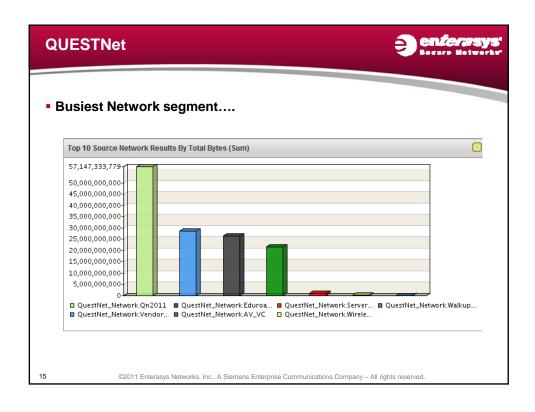


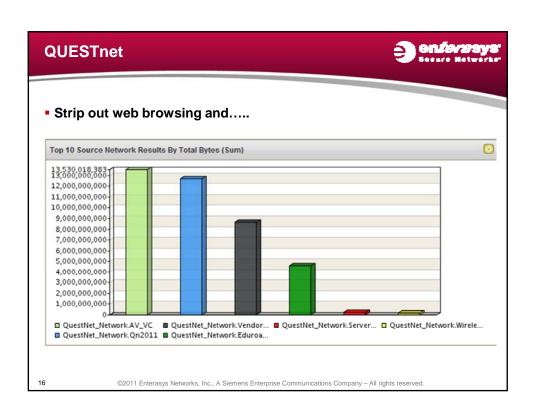




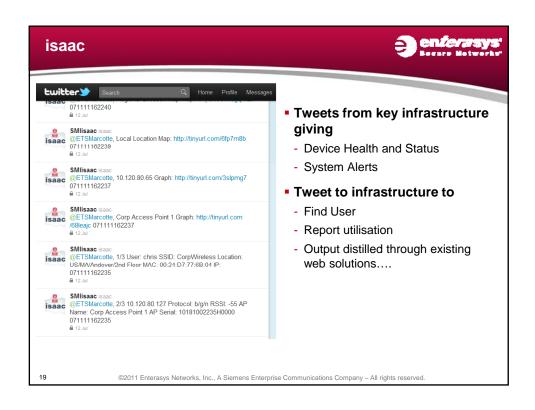


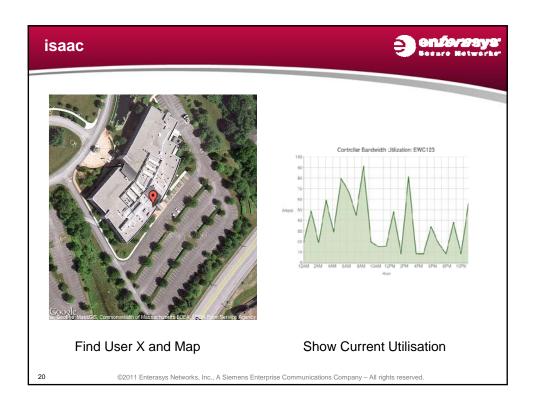






Over 1 Billion people use social media.... When secured properly use this platform to enable control from anywhere through Twitter, Facebook, LinkedIn and Salesforce.com Isaac offers a new workflow paradigm Traditional concept of helpdesk support procedure can be redefined ### Country | Procedure |





Summary



Automation

- Automate Visibility and Control The information already exists in several disparate systems. Use tools to join the dots…
- Granular control of access increased security for unmanaged, unmanageable and private/BYO devices on the network

Reduced cost

- Leverage the efficiency gains through new and innovative devices
- Reduced OPEX through automated service provisioning
- No dedicated infrastructure required
- Leverages the same technology as for any other device access control

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