

# *Professional Development Day*

*Systems Administration & Campus Technology*

**Lorne Cleaver** Director, Systems Administration & Campus Technology

# ***PC RFP - #807-012***

- **What:** PC - Personal Computer vendor selection for 2007-2008 (4 vendors submitted proposals)  
*Dell – Gateway – Hewlett Packard - Howard*
- **Why:** Gateway would not renew the contract at the same rate (2005-2006)
- **Who:** 3 Year contract awarded to HP (Hewlett-Packard)  
(Option - 2 Additional years - Total of 5 years)  
(Pending Board Approval)

# ***PC RFP - #807-012***

- **When:** Nov 2007 – Feb 2008  
PC Tech Refresh Rollout  
(Pending Cabinet Approval)
- **Impact:** Approximately 1/3 of all PC's are replaced that are going off warranty. (PC's have a 3 year warranty - Trickle down Tier 3 – Student Reg.)  
New Configurations include: 2 GB Ram,  
Dual Processors, 80 GB Hard Drives

[BCC PC Hardware Configurations](#)

# ***Barracuda Appliances***

## ***E-mail – Spam & Virus Blocker***

- **What:** E-mail protection from Spam & Viruses
- **Who:** All Employee's and Student's
- **When:** Three Barracuda's were installed in July 2005
- **Impact:** The next slide shows that approximately 85% of all e-mail is blocked.

# Barracuda Appliances

## E-mail – Spam & Virus Blocker

The screenshot shows the administration interface for a Barracuda Spam & Virus Blocker. At the top left is the Broward Community College logo. The main navigation bar includes tabs for BASIC, BLOCK/ACCEPT, USERS, DOMAINS, and ADVANCED. A 'Log Off admin' link and a language dropdown set to 'English' are also visible. Below the navigation bar are several menu items: Status, Message Log, Spam Scoring, Virus Checking, Quarantine, IP Configuration, Administration, and Bayesian/Intent. The main content area is divided into two sections: 'Email Statistics [inbound]' and 'Performance Statistics'. The 'Email Statistics' section contains a table with columns for Total, Day, and Hour, and rows for Blocked, Blocked: Virus, Quarantined, Allowed: Tagged, Allowed, and Total Received. The 'Performance Statistics' section displays various system metrics with progress bars, including In/Out Queue Size, Average Latency, Last Message, Unique Recipients, System Load, CPU Fan Speeds, CPU Temperatures, Firmware Storage, Mail/Log Storage, and Redundancy (RAID).

**Email Statistics [inbound]**  ?

	Total	Day	Hour
<b>Blocked</b>	21,997,498	21,785	1,393
<b>Blocked: Virus</b>	145,027	25	1
<b>Quarantined</b>	0	0	0
<b>Allowed: Tagged</b>	1,461,065	710	134
<b>Allowed</b>	3,978,436	3,189	249
<b>Total Received</b>	27,582,026	25,709	1,777

**Subscription Status**  ?

Energize Updates: **Current** (Expires: 2007-07-05)  
Instant Replacement: **Current** (Expires: 2007-07-05)

**Performance Statistics** ?

In/Out Queue Size: 2/211  
Average Latency: 11 seconds  
Last Message: <1 minute ago  
Unique Recipients: 13904  
System Load:   
CPU 1 Fan Speed:   
CPU 2 Fan Speed:   
CPU 1 Temperature:   
CPU 2 Temperature:   
Firmware Storage:   
Mail/Log Storage:   
Redundancy (RAID): Fully Operational

Stats: Over 82 million E-mails received since July 2005 (3 barracudas)  
Only 12 million were allowed (70 million blocked)

# ***NAP of Americas – Miami Terremark Worldwide Inc***

- **What:** Emergency Network and Server housing site  
(Emergency Planning)
- **Who:** NAP of Americas is located in Miami, Florida, provides highly secure and reliable Facility Services. NAP became BCC's primary ISP  
(Internet service Provider)
- **When:** BCC leased space in the NAP starting July 2006

# ***NAP of Americas – Miami Terremark Worldwide Inc***

- **Impact:** Allows BCC to have high impact & utilized network devices and servers at the NAP to ensure minimal downtime. Information Technology has moved all E-mail Servers along with the Barracudas to the NAP. We will move an additional 50-60 servers to this location within the next year.

[NAP of Americas](#)

# *Microsoft Suite Migration*

- **What:** Migration from Novell Netware to Microsoft Windows Operating System and Products. (Office 2007, Active Directory file system, Exchange E-mail and Windows Vista)
- **Why:** Take advantage of new technology and product integration. (VOIP – Voice over IP, Copiers)
- **Who:** All Staff, Faculty and Students

# *Microsoft Suite Migration*

- **Impact:** 2 to 3 year project – Large infrastructure change (4 Phases)
- **When:** March 2007 through August 2009 (All Phases)

*Note:* Systems & Campus Technology is working with Microsoft on a migration plan. Not all timelines have been established at this point.

# *Microsoft Suite Migration*

## **Phase 1**

- **What:** Migrate from Office 2003 to Office 2007
- **When:** March 2007 (Pilot groups College wide will be involved with the initial testing)
- **Impact:** Campus Technology staff will push out a 2003 – 2007 compatible module to all workstations. (This will allow documents to be viewed by both versions of office)

# *Microsoft Suite Migration*

## **Phase 1 (cont)**

- **Impact:** Office 2007 Product Demos  
(Word, Excel, PowerPoint...)

Word: [Demo: Up to speed with Word 2007](#)

Excel: [Demo: Up to speed with Excel 2007](#)

Powerpoint: [Demo: Up to speed with Powerpoint 2007](#)

# *Microsoft Suite Migration*

## **Phase 2**

- **What:** Migrate from Novell's E-directory file system to Microsoft's Active Directory file system (Network Drive Mappings)
- **Impact:** College Wide – Large infrastructure change (Largest impact will be on the technical support staff, and less with faculty and staff) (Login Script will change)
- **When:** TBD

# *Microsoft Suite Migration*

## **Phase 3**

- **What:** Migrate from Novell's GroupWise E-mail to Microsoft's Exchange E-mail and Windows Live EDU for Student E-mail
- **Impact:** College Wide – Large infrastructure change
- **When:** TBD

# *Microsoft Suite Migration*

## **Phase 4**

- **What:** Migrate from Window's XP Operating system to Windows Vista on the workstation  
(Multiple month/year rollout)  
*Note:* Some Large Corporations have not even migrated to Windows XP (ITXPO – 25%)
- **When:** TBD  
(Dependent on the Active Directory Migration)  
Sequence of rollout; classrooms, then by request from faculty and staff 2007-2009

# *Microsoft Suite Migration*

## **Phase 4 (cont)**

- **Impact:** College Wide – Large infrastructure change (Academic applications need to be tested to ensure compatibility – currently South has two known applications that are not compatible – OST SAM and Math Software)

*Note:* There are additional training implications between XP and Vista and as stated earlier, not all timelines have been established at this point. .