Technology Update

Term 4 2010
Agenda

• Review of Term 3
• ICT Update
• Digital Literacy
• Wireless Networks (K-6)
• Smart Notebook 10.6 (K-6)
• IT Support Standards
• DER Professional Learning (7-12)
• DER (7-12)
• Panasonic
Review of Term 3

- BlogED – DET’s Blogging service for schools & TAFE
- Adobe software – Creative Suite 5
- The Apple iPad in NSW Public Schools: is it viable? (NO)
- Windows 7 / Office 2010 (K-6 days only)
- K-6 Portable Computer Labs (K-6 days only)
- Digital Education Revolution (High School day only)
Term 4 2010

- T4L
- T4L Servers
- Discretionary Servers
- Changes to Discretionary Line up
- New Software
- DET AV
- Connected Classroom Fix
- Changes to TaLE
- Inspire Innovate 2011
- Sydney Region ICT Days for 2011
## Sydney Region T4L Summary

<table>
<thead>
<tr>
<th>Unit</th>
<th>Number</th>
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<tbody>
<tr>
<td>Lenovo desktops</td>
<td>2210</td>
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<tr>
<td>Lenovo – Acer notebooks</td>
<td>208</td>
</tr>
<tr>
<td>Lenovo – Acer netbooks</td>
<td>219</td>
</tr>
<tr>
<td>Windows servers</td>
<td>20</td>
</tr>
<tr>
<td>Apple desktops</td>
<td>167</td>
</tr>
<tr>
<td>Apple notebooks</td>
<td>13</td>
</tr>
<tr>
<td>Apple servers</td>
<td>3</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td><strong>2840</strong></td>
</tr>
</tbody>
</table>
IMI – Contracted Installers

• Lenovo have contracted IMI to carry out the installation of Lenovo desktops
• IMI will send this fax **T4L Fax** detailing
  – Delivery, Installation and Completion dates
  – Take back recycling should occur within three working days of the completion date
  – Decommissioning $16.50 per computer (Optional)
  – Please read the forms carefully completing required sections and either fax back or email the forms as soon as possible
Why are they XP and Office 2007?

– ITD purchased 5850 base model Lenovo’s which were in storage prior to the Windows 7 Office 2010 image being created.

– Sydney Region received 25% of these from storage.

– Upgrading Lenovo computers to Windows 7 and Office 2010 can be done once the Dip Lite servers have been installed in your school.
Where are my notebooks, intermediate & advanced pcs?

- They have just arrived in the country and are rolling out starting November 29th.
- These models will be Windows 7
Notebooks

- May arrive in stages
  - Cables
  - Covers
  - Laptops
Where are my netbooks?

- They are still being built.
- Once they have been delivered to Sydney IMI will once again contact the schools with a delivery date.
Sydney Region contacts for T4L

- Mark Dahdah (Windows) 0401 999 055
- Greg Sharkey (Servers) 0400 325 094
- Robert Pucillo (Apple) 0417 062 367

- See Mark Dahdah today if you wish to see your “tentative” delivery and install dates – Please note our support team are not notified of notebook/netbook delivery dates

- Questions???
T4L Commissioning

• Win 7 2010 T4L **ONLY**: 
  – Lenovo Intermediate + Advanced Desktop 
  – Lenovo Laptops 
  – Acer Laptops 

  – “Technology 4 Learning” 
  – “Commissioning”
This form will name the PC so that it conforms to the DET naming convention. Please enter the details below.

Sitecode - this is automatically set

Location - Building, Level, Room.
(Max 6 characters)
Will be filled with leading 0's

Usage type
- Educational use
- Staff use

Type: Educational or Staff usage
DE = Desktop Educational
DS = Desktop Staff
NE = Notebook Educational
NS = Notebook Staff

Cycle number - incremental number reflects the PC number in a location.
(Max 3 characters)

Assembled Computer Name

Preview PC name

Rename PC
DET Central Web Solutions

The ITD Distributed Managed Infrastructure Group (DMIG) provides support and solutions for the DET Managed Desktop Environment. DMIG builds and manages the operating environment for the NSW DET Digital Education Revolution and the ITD Technology 4 Learning programs.

- Remediation solutions will be available on this site as new and additional components are made available to the operating system and applications on devices utilising Microsoft Windows
- Click on the link in the left-hand navigation on this web page to access a remediation solution for the operating environments of either:
  - NSW Digital Education Revolution program
  - Technology 4 Learning program

Support information

If you experience an issue with this site, please contact the ICT Service Desk, 1800 338 483. Please advise the Service Desk that Incidents should be assigned to the ITD DMIG Team with CWS in the summary field.

For site enquiries or suggestions email: DMIG
Central Web Solutions

Self Service commissioning

for DET T4L Microsoft Windows computers

This system is in pilot.

Important computer commissioning information

- Please do not close this webpage
  - If you close this webpage this computer will not be fully supported by DET Information Technology teams
- The computer you are using has completed a basic mini-setup that prepared the computer for further software installation and commissioning onto the DET network
- To ensure the commissioning process is successful, this computer must remain connected to the internet and to mains power

How to commission this computer

- Click on the link below to begin commissioning
- The DET Deployer window will appear
  - Mandatory commissioning steps will be selected and cannot be unselected. You may select / de-select any steps marked O (Optional), depending on your requirements.
  - Then click the install button to proceed
- The commissioning process may take up to 15 minutes to install software and configure computer settings
- When the process has completed, a dialogue box will ask you to restart this computer

Run Commissioning

Next Steps

- After the reboot, this device is ready to use as a stand-alone computer
- Two local accounts are displayed
  - Administrator P/W = administrator
  - LocalUser P/W = localuser
- Site IT support can change settings and add or remove software as required
- The device can be added to a school, Regional or DET Domain as determined by IT support
Available Applications - Mandatory installs cannot be changed

- M. | Enable_KMS_v1.0
- M. | Forefront_AGENT_v2.0.522.0
- M. | SCCM_AGENT_v4.0.6487.2000
- O. | Set_PAC_v1.0
- O. | Altiris_DAgent_v6.9.453
- M. | Site_Control_v1.0
Now installing Microsoft Forefront EndPoint Protection 2.0.522.0

Launching Installer

Please do not shutdown or restart this computer
Closing this window will not stop the installation process
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T4L Servers

- 20 Servers ordered under T4L 2010
- Installations started
- Installations will continue until March 2011

- T4L Server Installations have Priority over Discretionary Server Installations
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Discretionary Servers

• If your school is looking to purchase a discretionary server – **Contact us first to discuss installation dates.**

• **Priority must be given to T4L Server Installations.**
Windows Servers

- You will also need:
  - Lenovo Desktop (Base model no more than 2 yrs old) – Management Station
  - Backup System
  - UPS (optional)
  - Active Network Ports:
    - 3 – Server
    - 2 – Management Station (Lenovo)
    - (1 – Dell UPS)
  - Available Power points
    - 2 - Server
    - 1 – Monitor
    - 1 – Management Station (+ 1 for Monitor)

- [http://tinyurl.com/srservers10T4](http://tinyurl.com/srservers10T4)
Server Backup Solutions (1)

- 3 x External 1.5 TB Hard Disk Drive
- Manually swapped each week
- No Security on Backup
- Power point required
Server Backup Solutions (2)

- **Preferred Solution**
- QNAP Network Attached Storage (NAS)
- Small – Medium Primary Schools
  - QNAP TS Pro 4xx
    - 4TB or 8 TB
  - QNAP TS 809 Pro
    - 8TB, 12 TB or 16 TB
# Server UPS Solutions

## UPS suitable for Dell T610/R610

<table>
<thead>
<tr>
<th>Dell branded UPS</th>
<th>APC branded UPS</th>
</tr>
</thead>
</table>
| Dell UPS 1920W + Dell Network management Card  
(Available as Tower and Rack Mount)  
Additional Battery Module available to extend battery duration | Smart-UPS 1500VA  
(Available as Tower and Rack Mount) |

## UPS Suitable for T610/R610 + MD1200 DAS

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<th>Dell branded UPS</th>
<th>APC branded UPS</th>
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| Dell UPS 2700W + Dell Network Management Card  
(Requires 15 Amp power circuit)  
(Available as Tower)  
Additional Battery Module available to extend battery duration | Smart-UPS 3000I  
(Requires 15 Amp power circuit)  
(Available as Tower and Rack Mount) |
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New Discretionary Line Up

• Laptops:
  – Base (Netbook), Intermediate, Advanced

• Windows Desktops
  – Base, Intermediate, Advanced
Any Questions on T4L and servers?
• Instructional Technology- Looking Backward. Thinking Forward
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New Software Available

Available Now:
- CS5 Creative Suite
  - Master – x64 (Win 7 only)
  - Design – x64 and x86
  - Web – x86
- Office 2010 (Windows)
- Office 2011 (Mac)
- iLife 11 Update (late 2010 T4L)
- Captivate 5
- Contribute CS5
- Acrobat 9.4.1

Available Soon:
- Expression Web 4 (Windows)
- Premiere Elements V9
- Photoshop Elements V9
- Visual Studio 2010
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12 Month Extension to Symantec Contract

SAV will be replaced by new AV product over next 12 months

New Product
– MS Forefront Endpoint Protection (FEP)

DIP Lite Infrastructure to be rolled out over 12 Months.
Any Questions on Software and Antivirus solutions?
Why We Need To Teach Technology in School
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Connected Classrooms
- Pin Isolators

- The Interactive Classrooms Project has recently identified a fix to a problem with Interactive Classrooms that were installed prior to the end of 2009 – about 1,400 sites across the state. An *intermittent* fault causes the Video Conferencing (VC) processor (the “codec”) to lock up in some circumstances, rendering VC unavailable in the IC.

- A solution to this problem has been developed and tested. The solution involves the installation of a small connector plug (a Pin Isolator) into a cable at the back of the equipment cabinet in the IC.

- The installation process is simple and safe.
Education Today and Tomorrow
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TaLe4Students

• Student Access to TaLe resources (7-12)
• TaLe4Students has been designed to help secondary school students find and access selected TaLe resources. The TaLe4Students collection contains more than 5,000 resources to assist with: assignments, essays and general study.

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Inspire Innovate 2011

- South Western Sydney ICT Conference
- Transforming Learning in the Digital Classroom
- 29, 30 March 2011
- ANZ Stadium
- $400 + GST
Are kids different because of digital media.
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Sydney Region ICT Days for 2011

- ICT Coordinator Induction Day
  - Week 4 – Tuesday 22 February – GRC Oatley (DV00810)

- ICT Days

<table>
<thead>
<tr>
<th>Term</th>
<th>K-6 (DV00782)</th>
<th>7-12 (DV00781)</th>
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<tr>
<td></td>
<td>GRC Oatley</td>
<td>Maroubra Jn PS</td>
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<tr>
<td>Term 1</td>
<td>22 March</td>
<td>23 March</td>
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<tr>
<td>Term 2</td>
<td>14 June</td>
<td>15 June</td>
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<td>Term 3</td>
<td>6 September</td>
<td>7 September</td>
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<tr>
<td>Term 4</td>
<td>29 November</td>
<td>30 November</td>
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</table>

- All Bookings via MyPL@DET
RIP Floppy Disks

• Sony has announced it is shutting down floppy disk manufacturing by March 2011
Education Today and Tomorrow
Any Final Questions?