

# School Infrastructure Checklist

## Are you ready?

21st century learning is a journey. No matter how far your school is along the road, Microsoft can provide practical support and resources. This brochure details our free expert consultancy, free software evaluation kits and software downloads.

It also provides a valuable self-assessment to help gauge where you are along the path towards a secure, managed IT environment and what's needed to take the next step.

# Complimentary Resources

## One-day consultancy

Are you interested in taking the next step towards establishing a secure and well-managed IT infrastructure at your school but don't know where to start? We're offering a complimentary, one-day consultation valued at \$1,500 with our key education infrastructure partners Data#3, Commander, ISA Technologies and Computelec. This offer is limited, and must be redeemed by 31 August 2006. Full terms and conditions and more information can be found at [www.microsoft.com.au/edureadiness](http://www.microsoft.com.au/edureadiness). Email your interest and a request for further information to [eduinfo@microsoft.com](mailto:eduinfo@microsoft.com)



## Software Evaluation Kits

If you'd like to try Microsoft software before you buy, we're offering complimentary evaluation kits and downloads which provide you with 120 days' use. Register online at [www.microsoft.com.au/edureadiness](http://www.microsoft.com.au/edureadiness) to receive any of the following: Microsoft® Systems Management Server 2003, Microsoft® Internet Security and Acceleration Server 2004, Microsoft® Operations Manager 2005, Microsoft® Windows Server™ 2003, Microsoft® Antigen and Microsoft® Exchange Hosted Services. [www.microsoft.com.au/edureadiness](http://www.microsoft.com.au/edureadiness)

## Events – How to migrate with confidence

Considering migrating to a Microsoft environment and don't know where to start? Attend a complimentary half-day seminar in late May that will help you discover the value of the Microsoft Windows Server operating system and how to migrate with absolute confidence from your Novell® operating system. For more information and to register, go to [www.microsoft.com.au/edureadiness](http://www.microsoft.com.au/edureadiness)

## Workshops – Migrating from Novell eDirectory® to Microsoft Windows® Active Directory®

If your school has made the decision to migrate to a Microsoft environment, why not attend a complimentary one-day workshop in Sydney, Melbourne or Brisbane in July? Designed to give IT staff practical, hands-on experience using Microsoft Windows Server 2003, you'll learn how to apply those skills during a migration from a Novell NetWare® environment. For more information and to register, visit [www.microsoft.com.au/edureadiness](http://www.microsoft.com.au/edureadiness)

# School Infrastructure Checklist

At the heart of 21st century learning is a secure, well-managed school ICT infrastructure. These questions are designed to help establish the capabilities and level of protection you have and what you might need.

## Capabilities

- Do staff and students have email access?**  
Microsoft® Exchange Server enables you to send and receive electronic mail. Staff and students can use Microsoft® Office Outlook® (online and offline from their laptops), Outlook Web Access and Outlook Mobile Access directly from their PDA or mobile phone.
- Can staff schedule meetings easily with an online calendar?**  
Exchange Server also allows your school to streamline personal scheduling across the school. Staff meetings, school events, parent interviews or student career discussions can be scheduled with the knowledge of who is free and which rooms and/or resources are available.
- Do you have a school Web site and/or intranet?**  
Microsoft Windows Server 2003 includes a powerful Web server called Internet Information Server and a great school intranet collaboration environment called Microsoft® Windows® SharePoint® Services. The Learning Gateway framework using SharePoint Portal Server extends the School Portal environment, providing customised views for teachers, administrators, students and parents.
- Can you support online learning delivery?**  
The Microsoft Learning Gateway provides a customisable software framework that supports online learning. You can give students remote Web access via a single log-in ID to all resources and enable staff to track student progress through an e-portfolio of academic achievement.
- Can you automatically filter and cache Web site content?**  
Microsoft Internet Security and Acceleration (ISA) Server 2004 is a firewall and content cache server that reduces Internet downloads and improves content delivery to students and teachers. It also lets you monitor which Web sites students and staff visit, and add third-party partner solutions to block inappropriate content and sites, ensuring your school meets your duty of care responsibilities.
- Do staff and students have remote access to the school network?**  
Using the ISA Server 2004 integrated Virtual Private Network (VPN) gateway capability, you can connect staff and students securely to your school network over the Internet while limiting their access to specified servers and applications. ISA Server encrypts all information exchanged, protecting the privacy of school data. Microsoft Windows Server 2003 also provides Remote Access Services, including network quarantine using Microsoft Windows Connection Manager.
- Do staff and students have secure wireless access to your network?**  
Many schools believe their wireless network is secure when, in fact, it isn't. Microsoft Windows Server 2003 and Microsoft Windows XP use 802.1X authentication to comprehensively secure your school wireless network access, protecting your school from eavesdroppers and malicious users.

## Protection

---

- Do you have a firewall on your network?**

Microsoft ISA Server 2004 is an advanced packet and application-layer inspection firewall that protects your network resources from external and internal threats. The firewall also provides VPN client inspection for Microsoft Windows Server 2003-based quarantine solutions, helping to protect networks from attacks that enter through a VPN connection.
- Do you conduct regular security assessments?**

Microsoft Baseline Security Analyzer (MBSA) is an easy-to-use tool that helps you to determine the security state of your systems in accordance with Microsoft security recommendations and offer specific remediation guidance. You can improve your security management process by using MBSA to detect common security misconfigurations and missing security updates on your computer systems.
- Can you detect and delete email SPAM automatically?**

Microsoft Exchange Server Intelligent Message Filter provides advanced server-side message filtering designed to combat the influx of unsolicited commercial email – or SPAM. This helps protect your teachers and students from SPAM, which may contain inappropriate content.
- Can you scan your emails automatically for viruses, worms and malicious content?**

Microsoft Antigen antivirus products improve virus detection rates in your messaging and collaboration servers by integrating multiple antivirus scan engines. Virus research teams keep the capabilities up to date to help protect against the latest threats.
- Are your PCs protected from malware?**

Microsoft Client Protection is a new security product that helps protect your desktops, laptops and servers from emerging threats such as spyware, viruses and other traditional attacks.
- Can you restrict access to confidential information?**

Microsoft Windows Rights Management Services (RMS) for Windows Server 2003 safeguards digital information from unauthorised use – both online and offline, inside and outside of the firewall. For example, you can restrict access to a confidential email message containing student information between a principal and a teacher, so that the contents cannot be forwarded, printed or viewed by others.

## Stable Environment

---

- Are you able to deploy applications and security patches automatically to PCs?**

Microsoft Systems Management Server (SMS) 2003 enables you to provide relevant software applications, security patches and updates to staff and student PCs, notebooks, Tablets, PDAs and so on. SMS also provides you with a full inventory of your school computing environment.

- Can you control what is loaded on to your public access computers?**  
Microsoft Shared Computer Toolkit for Windows XP lets you prevent changes to hard drives and restrict access to system settings enabling Windows computers to securely operate in public access areas.

## Control Access

---

- Can your students, teachers and parents all authenticate against a single directory?**  
Microsoft Windows® Active Directory® provides single-logon capability and a central repository for information for your entire Windows infrastructure, vastly simplifying user and computer management and providing superior access to networked resources.
- Can you set up new users automatically with specific access privileges and instantly de-provision them when they move on?**  
You can use Microsoft Windows Active Directory and Microsoft Identity Integration Server to provision user accounts automatically from your student information system. As students enrol, their accounts are set up, and when they move on, they're automatically de-provisioned.
- Can you restrict peer-to-peer applications such as Kaaza and Bit Torrent that tunnel through HTTP Port 80?**  
ISA 2004 is an application layer firewall where you can restrict peer-to-peer applications such as Kaaza and Bit Torrent that 'eat' up your bandwidth unnecessarily as well as act as conduits to distribute illegal music and movie files.

## Secure Data

---

- Can you monitor your network servers to pre-empt any issues?**  
Microsoft Operations Manager 2005 helps simplify identification of issues, streamlines the process for determining the root cause of the problem, and facilitates quick resolution to restore services and to prevent potential IT problems.
- Can students and staff synchronise their My Documents data between their laptops and a school server?**  
The Microsoft® IntelliMirror® feature of Windows Server 2003 allows students and staff to synchronise their My Documents with a personal space on the school server, keeping it safe and backed up.
- Can users go back to an earlier version of a document that is saved on a server?**  
With Microsoft Windows Server 2003, you can configure Volume Shadow Copy to automatically retain versions of files saved on the server.

## May we help?

If you are planning an education solution, talk to Microsoft first. With hundreds of reference sites and successful deployments across Australian universities, TAFEs, Departments of Education and schools, we have both the experience and expertise to help you select and deploy a cost-effective, proven solution that meets your needs today and tomorrow.

For information, contact Microsoft on [eduinfo@microsoft.com](mailto:eduinfo@microsoft.com)  
or [www.microsoft.com.au/edureadiness](http://www.microsoft.com.au/edureadiness)