

# MFM - Medium Facilities Management

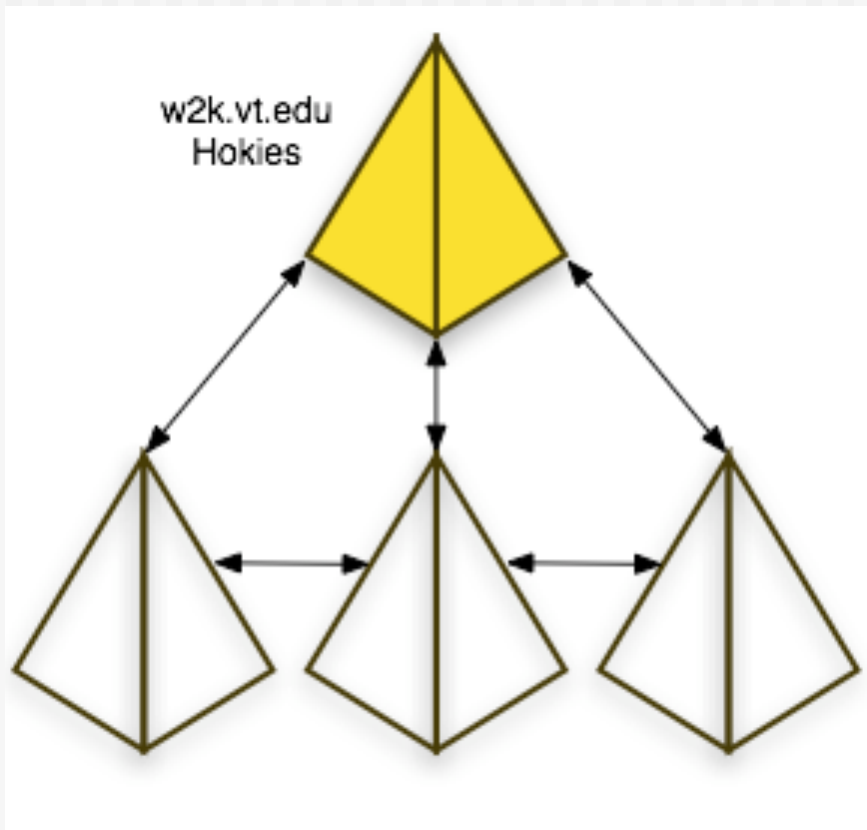
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By Marc DeBonis  
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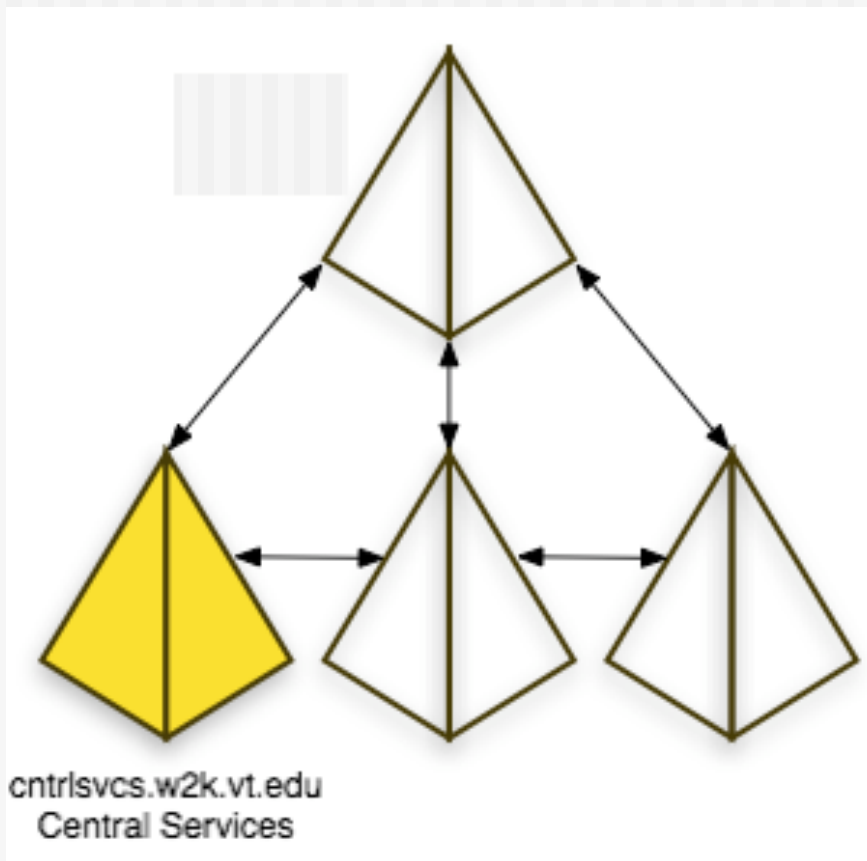
V1.1 - 051012

# w2k.vt.edu (Hokies)



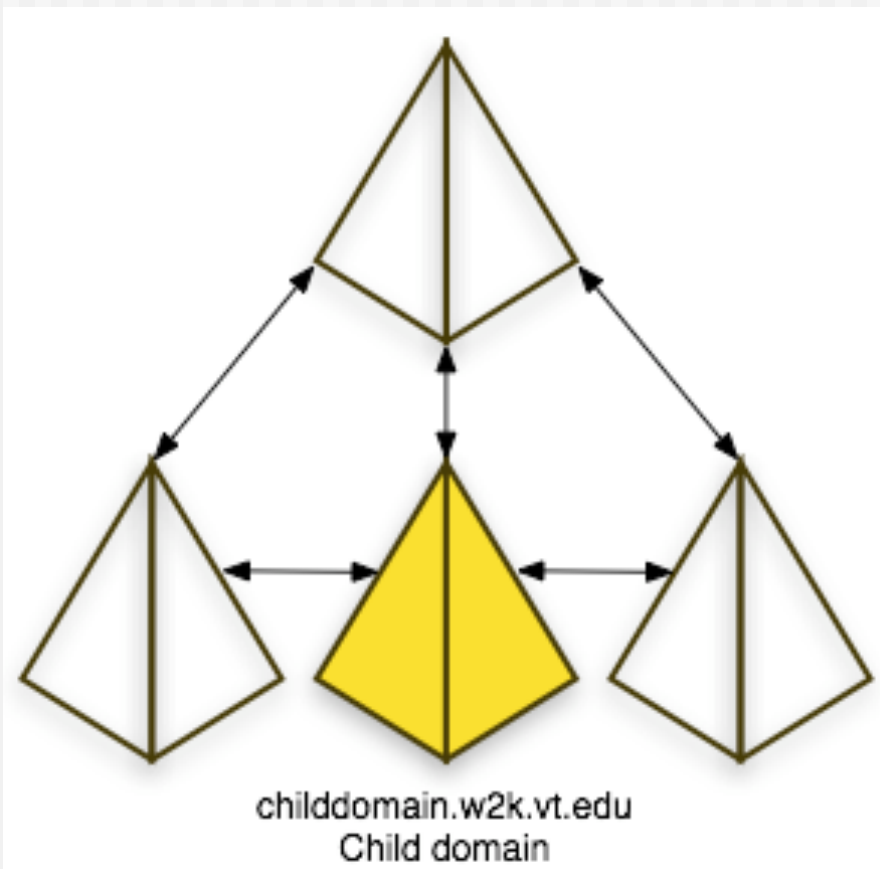
- Managed by CIT
  - Forest infrastructure
  - Domain infra
    - Just DCs in here...
  - User accounts
    - 6739 user objects
  
- Managed by DIT
  - User accounts
    - Via HSS
    - Via OUadmin
    - Via MMC
  
- Cost = personnel

# cntrlsvcs.w2k.vt.edu (Central Services)



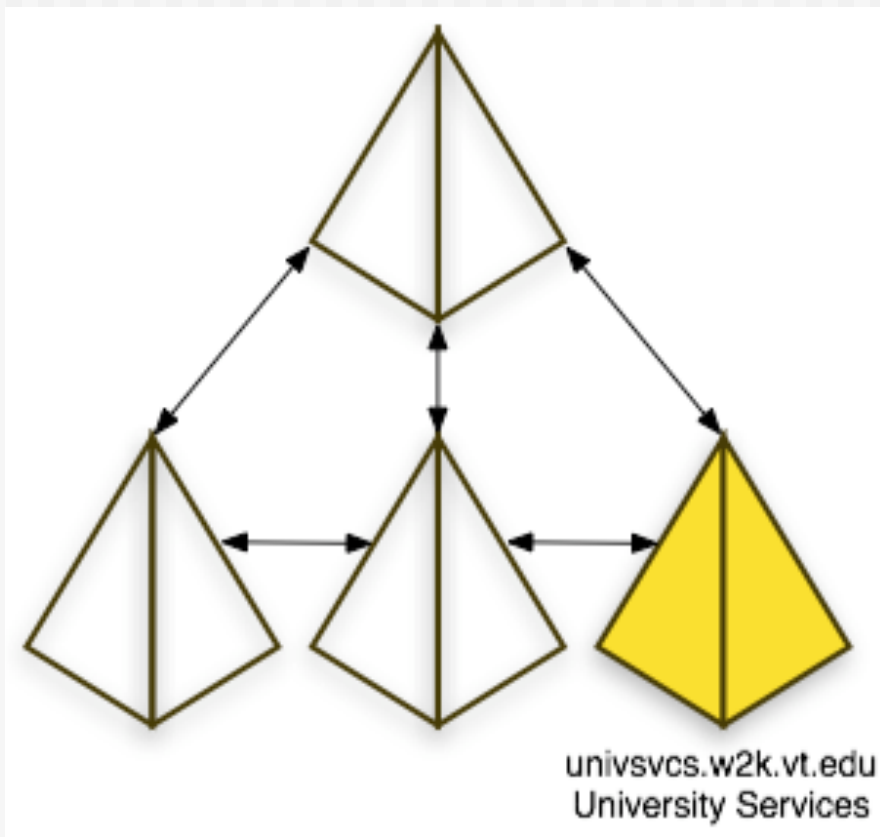
- Managed by CIT
  - Forest infra
  - Domain infra
    - Over 50 dept OUs
- Managed by DIT
  - Computer accounts
  - User accounts
    - Via MMC
- Cost =  $\Delta t$ , personnel

# childdomain.w2k.vt.edu (Child Domain)



- Managed by CIT
  - Forest infra
    - 14 child domains
- Managed by DIT
  - Domain infra
  - Computer accounts
    - Including DCs
  - User accounts
- Cost =  $\Delta t$ , \$, personnel

# univsvcs.w2k.vt.edu (University Services)



- Managed by CIT
  - Forest infra
  - Domain infra
  - Computer accounts
    - Including DCs
- Managed by DIT
  - Computer accounts
    - Via HSS
- Cost = personnel?

# HSS - My Services

Home My Information My Security **My Services** My Exchange My Storage

Help File  Questions/Comments

LOGOUT 

For more details about the University Services Domain, Click [Here](#).

<p>Manage a Computer in the University Services Domain </p>	<p>Workstation Name: <b>W2KSRV</b> Operating System: Windows 2000 Server Service Pack: Service Pack 4 OS Version: 5.0 (2195) Status: Enabled Level of Service: <a href="#">No Facilities Management</a> Change Level of Service to: <input type="text" value="Medium Facilities Management (public beta)"/> <input type="button" value="Change"/> Click <a href="#">Here</a> for detailed information about Medium Facilities Management (public beta).  MFM is currently in a public beta test. Click <a href="#">Here</a> for more information.</p>
<p>Add a Computer to the University Services Domain </p>	<p>You currently manage <b>1</b> computer in the University Services Domain. You are allowed to manage up to <b>3</b> computers. Workstation Name: <input type="text"/> Level of Service: <input type="text" value="No Facilities Management"/> <input type="button" value="Add Computer"/> Click <a href="#">Here</a> for detailed information about No Facilities Management</p>
<p>Remove a Computer from University Services Domain </p>	<p>Workstation Name: <input type="text" value="W2KSRV"/> <input type="button" value="Remove"/></p>

# \*FM feature set comparisons

	Computer domain membership	Proactive security scans	System security hardening (ICF/WSUS)	Managed SW install (AV, Firefox, BInfo, etc)	Defense-in-depth (LUA)
NFM 171	✓	X	X	X	X
SFM 29	✓	✓	X	X	X
MFM 10	✓	X	✓	✓	✓
FFM 0	?	?	?	?	?

# MFM requirements

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- A desktop class system running Windows XP Pro or higher
  - Updated to service pack 2
- The system is attached to the network with a wired Ethernet connection
- A valid Hokies ID to access Hokies Self-Service
  - Use your PID to upgrade your Hokies contact to a full Hokies user account!
- A willingness to provide feedback!
  - please please please please...
- *A reminder that MFM is in a late beta phase*



# DIY?

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- See <http://mfmwiki.w2k.vt.edu>
  - Site includes the 70+ page document which details EVERYTHING we've done to build MFM!
  - Use the wiki for Q&A, feature requests, comments and suggestions
- Feel free to email [mfm\\_beta\\_help@vt.edu](mailto:mfm_beta_help@vt.edu)

# One more thing...

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- Those using SFM have been getting proactive security scans on a weekly basis from a tool called Sunflower...
- Today we'd like to announce Sunflower v2!
  - Based off of MBSA v2.0 technology
    - Security updates
    - File system security
    - Automatic updates
    - Password expiration
    - IE zones / Macros
    - Auditing
    - Services
    - Shares
  - Reports stored as secure web reports
  - A report identifies what was scanned, strengths, weaknesses, and steps for remediation
  - Systems will maintain a history of the last 5 scans

# Sunflower v2 (mockup)

Welcome to

## Sunflower v2

MBSA scanning results

You are logged in as: *hokiebird* [LOGOUT](#) [Help](#)

[Sunflower History](#)

**Your Machines:**

- GOHOKIES**
  - [10/10/05](#)
  - [10/3/05](#)
  - [9/26/05](#)
  - [9/19/05](#)
  - [9/12/05](#)
- HOKIESRULE**
  - [10/10/05](#)
  - [10/3/05](#)
  - [9/26/05](#)
  - [9/19/05](#)
  - [9/12/05](#)
- FLYVTFLY**
  - [10/10/05](#)
  - [10/3/05](#)
  - [9/26/05](#)
  - [9/19/05](#)
  - [9/12/05](#)

[Return to Sunflower home](#)

**Computer name:** UNIVSVCS\HOKIESRULE  
**IP address:** 128.173.1.1  
**Security report name:**  
**Scan date:** 10/3/2005 10:16 AM  
**Scanned with MBSA version:** 2.0.5029.2  
**Catalog synchronization date:**  
**Security update catalog:** Microsoft Update  
**Security assessment:** Severe Risk (One or more c

**Security Update Scan Results**

Score	Issue	Result
✓	Windows Security Updates	No security updates are missing. <a href="#">What was scanned</a> <a href="#">Result details</a>

**Windows Scan Results**

**Administrative Vulnerabilities**

Score	Issue	Result
✗	File System	Not all hard drives are using the NTFS file system. <a href="#">What was scanned</a> <a href="#">Result details</a> <a href="#">How to correct this</a>
✗	Automatic Updates	The Automatic Updates feature has not been configured on this computer. Please use the Control Panel to configure Automatic U <a href="#">What was scanned</a> <a href="#">How to correct this</a>
✗	Password Expiration	Some user accounts (2 of 3) have non-expiring passwords. <a href="#">What was scanned</a> <a href="#">Result details</a> <a href="#">How to correct this</a>
✖	Incomplete Updates	No incomplete software update installations were found. <a href="#">What was scanned</a> <a href="#">How to correct this</a>
i	Windows Firewall	This check was skipped because it cannot be done remotely.

**Microsoft Baseline Security Analyzer 2**

**Not all hard drives are using the NTFS file system.**

**Result Details**

Score	Drive Letter	File System
✗	C:	FAT
✓	D:	NTFS
✓	E:	NTFS

# Present & Future MIG errata

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- Did you know? IT Wiki now available
  - <http://itknowhow.w2k.vt.edu>
- Migration of Hokies root domain from Windows 2000 to Windows 2003
  - ETA: ~before Thanksgiving (Nov 14 -18)
- WSUS for Faculty/Staff/Students
  - In discussion with potential sponsors now!
  - ETA: ?
- ADadmin
  - Replacing OUadmin, MMC, and many IRM manual processes
  - ETA: ?

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