

Federal CIO Council

Federal Desktop Core Configuration

The Image - Distribution & Deployment

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FDCC

Federal Desktop Core Configuration

- What are our goals?
 - Standardization of Security Settings across government and the reduction of cost for deployment and maintenance of desktop security
 - Distribution of standardized settings to agencies such that the guess work is taken out of the equation.
- What is so hard about that?
 - Security Settings are applied to an operating system (OS) and to common applications that ride the OS.
 - Legal distribution of applied settings can be a challenge

Test and Evaluation Machines

- One method of getting the word out was the Test and Evaluation Virtual Machines that were discussed earlier.
- They are preconfigured and tested to be ***compliant*** with the mandated security settings.
- From these virtual machines, Group Policy Objects have been created which can get an agency close to being compliant.
- IT Staff can create difference files from these virtual machines and compare against existing agency baselines, compiling a list of settings

Agency Testing

- Test and Evaluation virtual machines are available for agencies as well as industry to become familiar with FDCC.
- Make sure that you test your applications before an agency deploys these settings.
 - You will be looking in two major areas
 - Applications compatibility
 - Legacy protocol interoperability

Compliance

- With any government mandate, an element of compliance is born.
- For FDCC, compliance will be in the form of a settings validation toolset.
- Agencies will use validation tools to check the compliance of FDCC settings before deployment throughout the agency.
- To simplify, Microsoft, working with OMB and other supporting agencies, will make a pre-configured FDCC OS available via Microsoft Volume Licensing Site

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http://www.microsoft.com/licensing/default.aspx

Microsoft Volume Licensing

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FDCC Distribution to Agencies via MVLS

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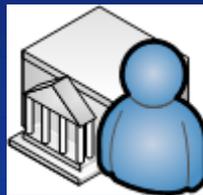
Microsoft
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(MVLS)



Windows
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Agency IT
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Existing Industry to Agency Deployment Chain

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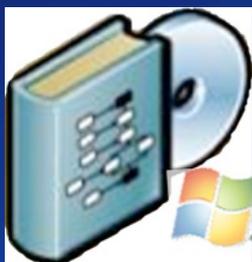
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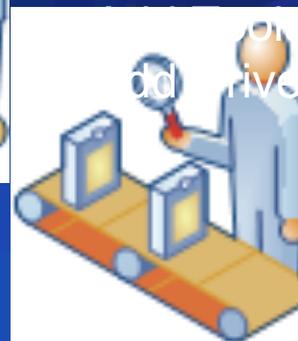
Clean
FDCC
Mobile Build



Clean
FDCC
Desktop
Build



Add Applications



Test and
Baseline



Package
Result

No More
interpreting
guidance and
settings

FDCC MVLS Agency Deployment Chain



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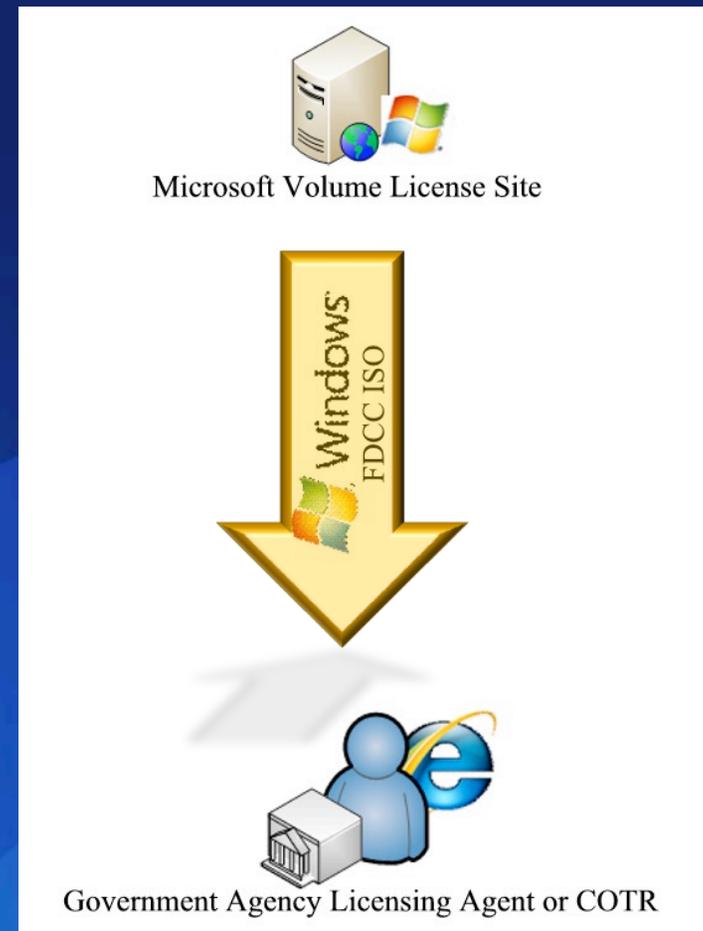
FDCC Deployment Chain

- 1. Obtain Original Media**
- 2. Build first machine**
- 3. Apply settings** (1-3 taking care of by MVLS download)
4. Apply applications
5. Apply drivers
6. Package into agency image
7. Validate settings within Image
8. Deploy via Network Management/Systems Management
9. Apply Policy when domain joined
10. Patch and verify FDCC settings

FDCC Web Distro

Microsoft Volume Licensing Site

- We are attempting to reduce agency work load by making available pre-configured and validated FDCC builds
- We are looking into an update process with OMB that would keep these builds up to date including relevant patches and service packs



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Desktop Deployment Planning Services

Published: September 9, 2005 | Updated: September 22, 2006



The single largest cost your company faces in managing hundreds of desktops is the human resources it requires to deploy, support, manage, and maintain an efficient infrastructure with a modern desktop environment. Computer configurations require that your IT professionals have the skills, knowledge, and confidence to remain agile when working with mobile devices, desktop computers, or laptops. Manual administration takes time, money, and staff, so minimizing the challenge is always a top priority. A successful deployment can lead to higher usage and productivity. It can also result in a lower cost infrastructure and improved return on your software investment.

Microsoft Desktop Deployment Planning Services offers 1 to 15 days of deployment planning services, based on the amount of Microsoft Software Assurance purchased on Microsoft Office software. This service introduces the most advanced techniques, processes, and tools to your company. The services you receive are based on your unique needs to help you achieve the most cost-effective desktop environment.

They provide the fundamental analysis, business case, process, and technical procedures you need to execute a comprehensive desktop deployment project. Delivered by a participating Microsoft services partner or by Microsoft Consulting Services, these services help you extend the business value of your Microsoft Office or Microsoft Windows software upgrade.

Each interactive session of Desktop Deployment Planning Services is collaborative, comprehensive, and based on best practices directly from Microsoft. Your dedicated consultant will create a blueprint.

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Summary

- Application of the settings can be accomplished in several methods.
- Each will be validated for compliance via NIST certified tools
- Test and Evaluation virtual machine can help the agencies test application compatibility
- Those applications that are not compatible with FDCC, look into Microsoft Desktop Optimization Pack (MDOP) with application virtualization to assist
- MVLS Bits should help the agency stage enterprise versions ready to deploy throughout the agency
- Group Policy Objects can help maintain FDCC settings