Application Compatibility Management Solution for Windows Vista™

Our Application Compatibility Management (ACM) Solution is focused on testing enterprise-wide applications for facilitating a successful deployment of Windows Vista Operating System. Our solution is built to guide companies through application compatibility phases, tasks and checkpoints.

The ACM solution shares and leverages proven tools and best practices that enable IT professionals to test applications for compatibility with Windows Vista and mitigate the compatibility issues discovered during that process. Key areas of focus of this solution are:

- **Application compatibility to support infrastructure needs for security, deployment and management:** This looks at the infrastructure landscape and associated impact of the Windows Vista deployment on security, deployment and other areas that effect large scale adoption. It identifies and tests various scenarios that may experience compatibility issues.

- **Application specific testing and remediation for key applications built by enterprises:** This looks at specific applications and addresses areas that will likely break, with strategies for remediation.

The purpose of the Windows Vista Application Compatibility Rapid Response Team is to support the following communities in launch activities:

- Enterprise-level organizations
- Independent Software Vendors (ISV)

Fujitsu offers the following Application Compatibility services to enable a successful deployment of Windows Vista:

**Developer Services:**

- Evaluate and identify common application compatibility issues in existing business applications
- Evaluate, test, mitigate and migrate existing, managed and unmanaged business applications to Windows Vista
- Design, develop, test and implement new business applications on Windows Vista platform
- Provide development and migration guidelines for Windows Vista Development
- Provide support for Windows Vista application compatibility issue detection and mediation

**IT Services:**

- Evaluate current infrastructure setup
- Establish and define your Application Test Portfolio
- Provide guidance and support to evaluate, test, and mitigate compatibility issues, using Application Compatibility Toolkit (ACT) and various test and debugging tools
- Mitigate and remediate compatibility issues
- Package and deploy application compatibility mitigation packages

**Deploying Windows Vista™**

Before you move from your current version of the Microsoft Windows operating system to Microsoft Windows Vista, you need to test your applications to ensure that they are compatible with the new operating system. An organization may have up to several hundreds or thousands of applications installed across distributed networks. Compatibility problems with one or many of these applications can cause costly work stoppages.

Although most applications developed for earlier versions of Windows will probably perform well on the new versions, some applications might behave differently due to new technologies within Windows Vista.

Application compatibility testing begins with identifying and prioritizing the applications in use throughout an organization, which helps to determine the objectives and scope of the project. After you have established priorities and examined special considerations for server applications, you can develop the test plan. As you encounter compatibility problems during testing, you need to develop solutions, test them, and then package them for deployment.
To successfully resolve compatibility problems, the following steps should be followed:

1. **Identify the applications that you need to test**: This includes collecting an application inventory, analyzing and prioritizing the application inventory in order to create an Application Portfolio that will be included in the deployment package.

2. **Identify application compatibility issues**: Applications that make up the application portfolio should be tested for compatibility with Windows Vista. Testing for compatibility is an iterative process of testing, identifying compatibility issues, resolving problems and retesting. Compatibility issues can be identified by using Microsoft’s Application Compatibility Toolkit (ACT) and also by using Microsoft’s Debugging Toolkit.

3. **Resolve application compatibility issues**: This includes identifying and creating application compatibility solutions. It also can include modifying source code and recompiling applications for which you have source code. Compatibility issues that can be resolved by simply applying vendor upgrades are handled differently, by means of applying the fix and retesting. In cases where an application needs to be modified to fix an issue—the source code is modified, unit-tested, rebuilt and retested. Compatibility issues can be mitigated by applying available fixes/shims and then using these shims as part of the deployment package.

4. **Deploy or distribute applications and solutions**: This includes using various Windows Vista deployment and distribution tools to deploy Windows Vista along with application compatibility solutions/shims.

To perform these tasks, you need to understand how application compatibility problems arise, what you can do to resolve the problems, and which tools you can use to plan your application compatibility testing project and to test, fix, and deploy applications.

Our Application Compatibility Management Solution is built around a set of Microsoft Operations Framework (MOF)-based best practices and principles regarding desktop deployment. These principles prescribe an organization-wide, component-based approach to standardizing personal computing systems that will ultimately help the organization maintain the IT environment more efficiently and proactively, saving money and improving other business practices.

Application Compatibility Management Solution is focused in testing enterprise-wide applications, for enabling a successful deployment of Windows Vista operating system, across an Enterprise. The solution is intended to guide a specialist team through the application compatibility tasks and checkpoints.

Our Application Compatibility solution uses proven tools and practices that help and guide IT professionals to identify, test and mitigate application compatibility issues. The solution enables a successful deployment of Windows Vista by reducing the effect of application compatibility as a deployment blocker.

**Fujitsu Offerings for Windows Vista™**

Fujitsu offers the following Windows Vista Application Compatibility and Business Desktop Deployment solutions to help you through the desktop deployment life cycle. The following solutions are designed to fit your needs and to address various issues that you encounter during the deployment of Windows Vista across your enterprise.

Each of the solutions represents individual phases in the Business Desktop Deployment life cycle and hence provides the flexibility to use and implement our solutions individually, cumulatively or as end-to-end solutions.

Our offerings can be custom-tailored to each client’s needs:

**Level 1 Offering**

- **Presentation**: Application Compatibility on Windows Vista
  - Topics covered:
    - Application Compatibility
    - Hardware and Software compatibility issues
    - Desktop deployment lifecycle: Evaluation, Testing, Mitigation and Deployment Phases
    - User Account Control (UAC)
    - UAC Architecture
    - UAC and User Experience in Vista—Shield
    - File and Registry Virtualization
    - Application Compatibility Toolkit (ACT)
    - Limited User Account (LUA) Predictor
    - Running Applications with Elevated privileges
    - Creating Manifest
    - Application Verifier
    - Developer Best Practices

- **Client Empowerment: Evaluation Phase**
  - **Deliverables**
    - Application Inventory Collection
    - Application Portfolio Procurement

- **Time Estimate**: 1 to 2 days
Level 2 Offering
Level 1 offering + the following:
- Client Empowerment: Evaluate and Test Phases
  - Deliverables
    - Analyze applications to detect compatibility issues
    - Test applications for compatibility issues
- Time Estimate: 2 to 4 days

Level 3 Offering
Level 2 offering + the following:
- Client Empowerment: Evaluate, Test and Mitigate Phases
  - Deliverables
    - Mitigate compatibility issues
    - Create compatibility shims/solutions
- Time Estimate: 3 to 14 days

Level 4 Offering
Level 3 offering + the following:
- Client Empowerment: Evaluate, Test, Mitigate and Deployment Phases
  - Deliverables
    - Package Compatibility shims/solutions
    - Deploy compatibility solutions
    - Deploy Windows Vista
- Time Estimate: 4 to 21 days

Tools

Technologies

For more information about our Application Compatibility Management Solution for Windows Vista and/or to read other documents about this solution, please email Windows.Vista@us.fujitsu.com.

About Fujitsu Consulting
A trusted provider of management and technology consulting to business and government, Fujitsu Consulting is the North American consulting and services arm of the $40.6-billion Fujitsu group. Fujitsu Consulting integrates the core expertise of the Fujitsu companies and its partners to deliver complete solutions in the areas of enterprise information management, packaged application implementation, legacy systems modernization, IT governance, managed services and business process services. Through its full range of IT consulting, implementation and management services and its industry-recognized strategic approach, Macrosope®, Fujitsu Consulting enables clients to build more value into their IT investments and drive their leadership in the marketplace.

We work with you to create solutions and produce results that drive your business.