My NiHao eOS2 Home Desktop Black Knight OS 1.5.2 Project Completion Report

Here is a summary of the tasks that you completed for this project. You can view this project completion report by accessing this project through your Partner Dashboard at www.intel.com/partner.

My Application

My software application information:

Application Name:	NiHao eOS2 Home Desktop Black Knight OS	Computing Platform:	Workstation
Application Version:	1.5.2	Target End User:	Business: Enterprise
Planned Release Date:	November 2009	Estimated Installed Base:	500-4999
Application Description:	Black Knight operating systems are designed for home users, laptops and more specifically users of the Atom CPU range.		

My Project

Summary of your project information:

Project Name:	NiHao eOS2 Home Desktop Black Knight OS 1.5.2	Last Modified By :	Grant Keinzley
Focus Areas:	Intel® Atom™, Mobility, Manageability	Last Modified On :	11/18/2009 2:33:28 AM
Created By :	Grant Keinzley	Created On :	11/18/2009 2:24:42 AM

My Project Tasks Completed

Your tasks completed for optimizing your software application

Intel® Atom™ * Priority 1

Intel® Atom™ processor-based devices

- Please indicate whether you optimized your application for Mobile Internet Devices (MIDs):

- Please indicate whether you optimized your application for Netbooks:
  - * Indicate which of the following Netbook optimizations were implemented (one or more are required):
    - **Battery Power Awareness**: Automatically detect the critical power state of the computer and suspend non-time critical activities. Application should behave well such as saving data and state of the application during critical power state.
    - **Battery Life Optimizations**: Application idle behavior must not change platform idle behavior (without application) by more than 10% as measured by the operating system C-state residencies

Mobility * Priority 2

* **Automatic Network Detection**
  Please confirm that the following optimization was implemented (required):
  - Application detects current status of the network, including availability of the target server side-component. Application suspends activities when network connectivity or server-side availability is lost, and resumes when network connectivity or server-side availability is restored.

* **Additional User Experience Improvements**
Please indicate which of the following optimizations were implemented (one or more are required):

- **Bandwidth Optimization -** Detect the available network connection bandwidth, either local, potential, or actual bandwidth, and modify application behavior to improve the user experience.
- **Offline Caching -** Provide a consistent user experience when the computer is not on the network by caching application data and automatically updating when server-side availability is restored.
- **Suspend on Battery -** Automatically detect the current power state of the computer and suspend non-time critical activities. Application behavior should be modified based on transition between AC and battery power, and/ or transition between normal-battery and low-battery states.
- **Battery-Life Optimization -** Provide at least 10% longer battery life as compared to the previous application version while conducting the same activity.**

**A workload showing battery performance of the old and new versions, as well as the battery optimization methodology used must be made available on request.

Manageability * Priority 3

* **Intel® Active Management Technology (Intel® AMT) Use Cases**
Please indicate which of the following Intel AMT use cases were implemented (one or more are required)

- Platform Auditing: Reduce or eliminate manual platform audits by means of remote, down-the-wire access to platforms, regardless of operating-system state.
- Software Inventory Management: Improve the software-inventory process, optimize maintenance contracts, licensing, and configurations inventory.
- Hardware Inventory Management: Manage hardware inventories more efficiently and reduce manual audits.
- Remote Diagnosis, Remote Repair: Remotely diagnose and repair client machines reducing on-site visits to resolve SW problems even when OS is down.
- Remote Diagnosis, Local Repair: Remotely diagnose the issue and determine failed "Field Replaceable Units" make and model information out-of-band which helps to reduce visits to resolve HW problems.
- Software Version Compliance: Ensure up-to-date software versions, virus signatures, etc. and improve accuracy, speed and efficiency of anti-virus software updates regardless of OS or power state
    * Please indicate which of the following Intel AMT features were implemented (one or more are required):
        - Third-party Data Store Read/Write
        - Power Status/ Control/ Monitoring
        - System Defense
        - Agent Presence
- Hardware-based Isolation and Recovery: Detect and stop malware from propagating. Once a system is found suspicious, IT can quarantine system and update policy out of band.
- Presence Checking of User Partition Agents: Virtually eliminate the ability of users or malware to circumvent protection.
- Endpoint Access Control (EAC): Force systems that do not meet corporate policy onto a remediation network
- One-Touch Configuration: Help to simplify with configuration, setup and enabling Intel AMT.
- Remote Configuration: Configure systems remotely to use Intel® AMT features.
- Client-initiated Connection: Initiate system healing OOB from outside the enterprise network.
- Audit Log: IT Auditor checks AMT Audit Log for suspicious activity.
- Other

* **System Information**
Please specify the following information about the system(s) used to test your application:

- Desktop PC with Intel® vPro™ processor technology **Intel® AMT Version:** 2.5
- Notebook PC with Intel® vPro™ processor technology **Intel® AMT Version:**

* **Intel® Software Network Developer Tools & Resources**

Please indicate which of the following developer tools and resources were used to help optimize your application:

- Community forums
- Community blogs
- Online videos
- Intel® Software or Technology Development Kit (SDK,TDK)
- Other (e.g. technical docs, code samples, knowledgebase, FAQs)
- Not sure
- Did not use any Intel Software Network developer resources

Success Story or Testimonials

Will you give Intel permission to use your name and the name of your company, along with any comments you make in this form, on the Intel® Software Partner Program website and in other promotional materials in reference to your technology enabling activities?

- Yes
- No

Are you interested in participating with Intel in the development of a success story around your technology enabling success?

- Yes
- No

Comments

Please share any other comments about your technology enabling experience:

We owe Intel more than we could possibly offer. Intel's tools and supplementary materials helped us to build a system in a completely impossible time frame with ease. Me and my team were absolutely amazed at the ease of development that the Intel tools provided for us.

My Next Steps

Ready to market and sell your application. Expand your activities by taking advantage of the marketing resources and tools available to you within the Intel® Software Partner Program.

Access Market & Sell Resources of My Project Plan ›