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| **OSVR – Redistributable Installer** |
| Product Requirements |
| Version 0.1.1 |
| 15 May 2015 |
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# Change Log

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| --- | --- | --- | --- |
| **Date** | **Number** | **Author** | **Comments** |
| 15 May 2015 | 0.1.1 | Henky | Initial Draft |

# Feature Description and Priority

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| --- | --- |
| **[P0]** | Must have feature. Essential for the launch of the product |
| **[P1]** | Nice to have feature. All reasonable attempts should be made to include feature unless it risks P0 features, target cost, or target launch. May be post-launch future. |
| **[P2]** | As available. Implement if it is low-hanging fruit or only adds incrementally to development of another feature. May represent deferred or feature planned for future versions |
| **[UI]** | Under investigation. Decision pending additional data (Marketing Data, Feasibility, benchmarks, cost, etc.) |

## [P0]Redistributable installer

### Redistributable package

* As a developer, I want to have a redistributable that would install the OSVR Core component so that I can more easily deploy these components on end user machine.
* [P1]As a developer, I want to have the binary to be digitally signed so that the user receives the assurance that the installation package comes from OSVR and that it has not been tempered with.
* As a user, I want the installation package to be in a single binary so that I can easily download it.
* As a developer, I want separate 32-bit and 64-bit installer packages so that I can get just the package that I need for my distribution.

### Installation

* As a user, I want the installer to setup the OSVR Core components in my system so that my system is ready to play games or any other content on my device
  + I want the installation process to complete without having to restart my machine
  + I can accept if the installation process requires an admin access
* As a user, I want it create shortcuts in start menu so that I can start the OSVR server whenever I want to
  + [P1]As a product developer, I want this the shortcut to be eventually removed when the OSVR server can fully act as a background module so that it can act purely as a framework that support the games or other content
* As a user, I want the installer to ensure that there is space in my harddisk before performing installation
* As a user, I want the installer to not modify anything in my system if I cancel the installation.
* As a developer, I want the installer to be able to accept parameter and be run silently so that I can package this redistributable with other software that I am deploying
* As a user, I want to see the uninstaller in the control panel so that I can uninstall this component if I choose to.
* As a user, I want the OSVR server to run automatically after the installation so that I can immediately test out my device
* As a developer, I want the OSVR server to run at system start up so that user can simply start the game without having to manually start the OSVR server separately.
  + [P1] As a developer, I want the OSVR server to be running in the background
  + [P1] As a developer, I want the server to run only when it is needed instead of at every reboot so that it does not reduce the performance of user’s system
* [P1] As a developer, I want to have an installer log so that I can use it to investigate failures on end user’s system.

### Update

* As a user, I want to be able to update the OSVR core without having to first uninstall my previous version
* As a user, I want my settings/configuration to be preserved after an upgrade so that I don’t have to reconfigure it after every upgrade
* As a user, I want to be able to complete the upgrade without having to manually terminate OSVR server, or any other OSVR Core components, if they are still running
* As a user, I want to complete this update without a restart
* As a user, I can accept a request for admin access
* As a developer, I want the upgrade process to be executable silently as well so that I can use it to upgrade the components that I have previously deployed.
* As a developer, I want the installer to prevent downgrading if the currently installed version is higher than the version that is being installed so that when multiple sources are deploying the redistributable, only the latest version of the OSVR Core will remain in the system

### Uninstallation

* As a user, I want to be able to uninstall the OSVR core from the control panel so that I can remove this software if I no longer need it
* As a user, I want to be able to uninstall without having to manually terminate the OSVR server, or any other OSVR Core components
* As a user, I want to complete this uninstallation without a restart
* As a user, I can accept if this uninstallation requires admin access
* As a user, I want the uninstaller to cleanly remove all OSVR Core from my system, including shortcuts, files, registry or any settings that is created by OSVR Core.
* As a developer, I want the uninstallation process to support silent uninstall so that I can use my own uninstaller to

# Product Dependencies

* OSVR Core

# Compatibility and Testing

## Supported Operating system

This installer is to follow the Windows OSes supported by the OSVR platform.

As of the writing of this document:

* Windows 7 and above, 32-bit and 64-bit

# PRS Approval

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| --- | --- | --- |
| **Name** | **Role** | **Signature of Approval** |
| Min-Liang Tan | CEO and Creative Director |  |

|  |  |  |
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| **HOD Name** | **Department** | **Signature of Approval** |
| Michael Lee | Software Engineering |  |
| Rick Carini | Product Development |  |
| Chris Mitchell | Marketing |  |
| Greg Breinholt | Design |  |
| Irene Ng | Quality Assurance |  |

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| **Core Team Member** | **Role** | **Signature of Approval** |
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| Michael Lee | Project Manager |  |
| Chris Mitchell | Product Evangelist |  |
| Michael Lee | Software Engineering |  |
|  | Quality Assurance |  |
|  | Design |  |