



InstallAware
for Windows Installer

Windows Installer without Rocket Science

InstallAware

for Windows Installer, Native Code, MSIX, Virtualization





Key Objectives

- Install**Aware** X12 Feature Highlights
- Delight Developers: Convenience and Simplicity
- Grow Software Margins: Save on Bandwidth
- Grow Software Margins: Save on R&D
- Maximize Revenue: Grow Exposure, Monetize
- Agile Builds Simplified
- Available Editions and Pricing
- Who is Install**Aware**?



InstallAware
for Windows Installer

Windows Installer without Rocket Science

InstallAware X12

Product Highlights



What's New in Version X12?

- **ETH Transactions** for secure and discreet payments
- **Secure signing, verification** for Web Media Blocks
- In-place IDE search bar with **advanced matching**
- New string functions including **Regular Expressions**
- AARCH64 support in **Windows Features Plug-In**
- **20H1/2004 Eco-System** Runtimes and Refresh
- Team Project Explorer for **Azure DevOps** in-IDE
- **Delayed Elevation** and **User Mode Setup** Templates



Ethereum Payments and Blockchain

First and Only Installer Supporting ETH:

- **Trustless**
- **Smart Contract** authored in **Solidity**
- **Discreet and secure** payments at install-time
- Records kept in **blockchain**
- **Re-installations** for past purchases
- **No separate browsers** or bulky frameworks
- Everything happens **in-script as usual!**



Security Enhancements

Authenticode Code Signing and Verification:

- **Verify signatures** on web deployed bits
- Verify that signature **matches expected signer!**
- Also verify the signer on **any arbitrary file**
- **Prevent new attacks** with third party signers
- All setup **engine files are now code signed**
- All InstallAware **plug-in files also code signed**
- **Reduce false positives** with anti-virus products



IDE Enhancements

Get more done with less effort:

- **In-place search bar:** Non-modal search bar for your setup script, with automatic highlighting of all matching terms in your setup, advanced keyword matching, and bi-directional search
- **Full paths in Project Manager:** Avoid mistakes with Include Scripts and other setup assets
- **Team Project Explorer:** Manage project assets stored in Azure DevOps, VSTS, and TFS



More Version X12 Updates

Full support for the **2004/20H1 eco-system**:

- Updated **Windows Features/Server Roles** for all platforms, including **X86, AMD64, and AARCH64**

New and updated **script commands**:

- **Per-user Create File Type** command
- **Run Program As** now **elevates** (as well as de-elevate)
- **Format String, Get String Length, Get String Position**
- **Refresh Shell, Remove Directory, Download Folder**



Web Updates & InstallAware X12

- Build updates from an integrated view
- Choose from three web update modes: scheduled, manual, or fully automatic (forcing only the latest version of your app to run/install)
- Deploy an update client that integrates with the Windows Task Scheduler, or works stand-alone from the Start Menu, or is invoked at every run of your setup for guaranteed updates
- Minimize updates to the system tray, or work interactively
- Fully customizable update user interface and logic – target updates by product version, language, and other business logic
- Serve patches, full blown new version installers, or other types of applications as updates
- Use the new automatic web updates to easily build third party product bundles with your application
- **Does not cost extra!**



Upgrading to InstallAware X12

Now is the best time to Upgrade to X12:

- New built-in **InstallShield, Wise import** for one-click conversion of InstallShield projects saved as XML files and WiseScript files
- Call “**Set Variable NATIVE_ENGINE to TRUE**” to enable the new *InstantInstall* Native Engine Acceleration in any setup
- Call “**ETH Transaction**” to enable new **cryptocurrency payments**



What Else Can InstallAware X12 Do?

- Run **SQL scripts** on Microsoft, Oracle, or MySQL database servers
- Create new **IIS websites**, virtual folders, application pools
- Register **assemblies**, call **.NET installer classes**
- Install **ODBC drivers and DSNs**
- Install services, **configure service failure conditions**, register file types, **environment variables**
- Share folders, **set access control** lists on a variety of system objects
- **Call any custom DLL** or EXE file
- Extend the IDE directly with **custom plug-ins that participate in the setup script and the build process**



InstallAware
for Windows Installer

Windows Installer without Rocket Science

Delight Developers: Convenience and Simplicity



Delight Developers

Install**Aware** provides one-click runtime installers and MST builders for:

- Microsoft .NET Framework (with service packs)
- Microsoft SQL Server Express (custom instances)
- Microsoft Visual Basic VMs, Visual C++ Runtimes (secure)
- MDAC, Crystal Reports (also for .NET Framework)
- **Point-and-click to build your own runtimes with the Application Runtime Wizard**
- **Point-and-click to combine multiple, transformed, third-party setups with the Suite Installer Wizard**



Delight Developers

You can easily add any merge module or other technology installers to your setup, plus **InstallAware** lets you:

- Improve compression
- Run them silently
- Capture and display native progress
- Take actions based on return codes
- All as a single setup delivering a unified UX



InstallAware
for Windows Installer

Windows Installer without Rocket Science

Grow Software Margins: Save on Bandwidth



Grow Software Margins

Install**Aware** makes it easy to download runtimes or optional features **only when needed/selected**.

Install**Aware** does not produce empty installers that force an Internet connection just to copy vital files.

Only Install**Aware** lets the developer **choose exactly which files go online** in a setup.

Only Install**Aware** can source bits from decentralized **Torrent/Magnet** peer to peer networks.



Grow Software Margins

Install**Aware** reduces the size of a setup by **up to 90%** using the best compression available – **64 bit LZMA, LZMA2, and BCJ2**.

Install**Aware** can even re-compress files and packages that have already been compressed using other compression formats.

Only Install**Aware** builds setups with advanced **better-than-Microsoft** compression, often **halving already-compressed package sizes!**



InstallAware
for Windows Installer

Windows Installer without Rocket Science

Grow Software Margins: Save on Research & Development



Grow Software Margins

- Custom action authoring is an inherently error prone process
- Developing custom action DLLs requires very advanced programming skills
- Unforeseen scheduling errors with custom actions can lead to unexpected, hard to reproduce setup errors



Grow Software Margins

MSIcode eliminates custom actions:

- Only available with **InstallAware**, MSIcode is a human readable, linear setup script
- No programming skills are required to develop MSIcode scripts
- All common setup tasks are available as drag-drop script commands in MSIcode
- **InstallAware** converts your MSIcode script to a Windows Installer MSI database automatically at build time
- Let **InstallAware** worry about generating an MSI package that gets the job done right



InstallAware
for Windows Installer

Windows Installer without Rocket Science

Maximize Revenue: Grow Exposure and Monetize Software



Maximize Revenue: Grow Exposure

InstallAware helps you gain critical software **Business Intelligence** by making it much easier to:

- **Register users online** from directly within the setup dialogs
- **Survey users** when they uninstall your software
- **Track product usage** when customers check your website for updates



Maximize Revenue: Monetize Software

Only Install**Aware** lets you handle **Digital Rights Management** tasks such as:

- **Authenticating users** online before they can install the product (full sample project included)
- **Authenticating users** before they download and install **updates**
- **Defining application features on-the-fly**, based on results of live authentication



InstallAware
for Windows Installer

Windows Installer without Rocket Science

Agile Builds Simplified



Agile Builds Simplified

- Do you maintain separate installers for similar products or product editions?
- Do you use complex automation interfaces to emit setup projects?
- Wish you had an easier way to manage your releases?

Consolidate your projects with **InstallAware**.



Agile Builds Simplified

Only Install**Aware** lets you:

- **Conditionally exclude/include** files, registry keys, and other setup actions at build time
- Inject and **customize text at build time**
- Build multiple flavors and editions of your product from **a single setup project**
- Save yourself the complexity and overhead of managing multiple redundant setup projects



InstallAware
for Windows Installer

Windows Installer without Rocket Science

Available Editions and Pricing



Express vs. Developer Edition

- Express provides point-and-click simplicity
- Express does not include MSICODE scripting capabilities, one-click MSIX/APPX/App-V builds, or fully automated Virtual Machine Testing
- Developer provides full scripting capabilities with advanced project samples and one-click MSIX/APPX/App-V build targets
- Express uses the same project format with other Install**Aware** editions for instant migration



Developer vs. Studio Edition

- Developer offers MSIcode scripting, with easy-to-learn drag-drop authoring
- Developer lets you fully customize the setup logic and actions
- Studio includes a dialog designer for your setup wizards, an MSIcode debugger, and Build Events
- Studio offers Compiler Variables, letting you build multiple setup releases from a single source project without complex automation



Studio vs. Studio Admin Edition

- Studio Admin allows you to import and customize MSI and MSM databases
- Studio Admin lets you perform setup capture on existing installations
- Studio Admin lets you create MST transforms from MSI databases
- The automation interface allows you to emit complete setup projects programmatically, from web or traditional applications, outside of the IDE



Pricing

	Full Version	Competitive Upgrade	Upgrade
Express	499	329	249
Developer	999	659	499
Studio	1,999	1,319	999
Studio Admin	3,999	2,639	1,999



Licensing Options

- One license is required for each developer using the IDE
- Floating licenses are available for non-simultaneous usage by more than one developer (+50%)
- No additional licenses are required for build machines with the purchase of a Studio or Studio Admin edition



Competitive Upgrades

- Users of any version of InstallShield and Wise products are eligible
- Competitive upgrades qualify you for an instant 34% discount
- Just provide your competitive product serial number to qualify



Upgrades and Maintenance Packs

- Minor version upgrades are free for life
- Major version upgrades are free within 3 months of your original order date
- Upgrades may be ordered any time at 50% of new product cost
- Maintenance packs are available for 1 or 2 year terms, at 40% and 70% surcharges respectively



InstallAware
for Windows Installer

Windows Installer without Rocket Science

Who is InstallAware?



Who is InstallAware?

Founded in 2003 by former InstallShield employees who sensed that **InstallShield** was **not leading** the market:

- Lack of innovation
- Hard to learn and use
- Thousands of outstanding work orders
- Outdated user interface and setup engine
- Copy-cat products were not innovating either



What Makes Install**Aware** Unique?

InstallAware is the:

- **Fastest**
- **Most Scalable**
- **Most Pleasing**
- **Easiest to Program**

Windows Installer solution.

Install**Aware** improves the end-user experience
and the development experience.



What Makes InstallAware Unique?

InstallAware provides leadership by:

- Keeping standards from driving your processes
- Helping you do with your setups what was not possible before
- Providing a powerful abstraction of Windows Installer technology in MSIcode scripting
- Providing the fastest, most scalable, and most flexible installation engine for Windows



What Makes InstallAware Unique?

InstallAware makes it much **easier** to support **Windows Installer**:

- No **proprietary database** or **custom action programming** is required to build installations
- InstallAware **abstracts all MSI internals** into an **intelligible script** called MSICODE!
- InstallAware automatically **builds logo-compliant** Windows Installer packages
- InstallAware builds setups that can be deployed unattended via **Group Policy** or **Direct Deploy Push Technology**
- InstallAware lets you integrate your business logic into your installer and **make intelligent decisions at install-time**



What Makes InstallAware Unique?

InstallAware has its own Native Code Setup Engine:

- Runs where Windows Installer is disabled or damaged (**Windows Safe Mode, corrupt system**)
- Supports **multiple simultaneous** installations
- **Fastest installer** for Windows
- **Easiest development** paradigms

InstallAware has its own 64-bit Compression Engine:

- Compress files up to **90% smaller**
- Compress files down to **half of their already-compressed** Microsoft sizes, such as for Microsoft SQL Server and .NET Framework
- **Smallest installer** for Windows
- **Most scalable** installer for Windows