



InstallAware  
for Windows Installer

Windows Installer without Rocket Science

# InstallAware

A Simple Solution for Windows Installer





## What Makes InstallAware Different?

- ✓ Support for ETH blockchain payments and records
- ✓ Support for Torrent/Magnet decentralized downloads
- ✓ Two-Way Integrated IDE (designers emitting & reflecting code)
- ✓ 64 bit compression with up to 90% size reduction
- ✓ Partial Web Deployment for a stand-alone setup without Internet
- ✓ Easily customized Dialogs for a better development experience
- ✓ Competitive pricing and upgrades from InstallShield & Wise
- ✓ Precise, up-to-date, visual Windows Feature & Server Role edits
- ✓ Azure DevOps integration enabling “work from home”
- ✓ Visual MST Transformer, fastest snapshot-less Setup Capture



## InstallAware at a Glance

- Founded in 2003 by former InstallShield employees
- Designed to support Windows Installer—automatically builds logo-compliant Windows Installer Packages
- Streamlines the development process by using MSIcode scripting, a powerful abstraction of Windows Installer technology
- Employs simplified scripting procedures and easy to use features like drag-drop commands and visual wizards
- Includes InstallAware's own Native Code Setup Engine for the industry's fastest and most resilient setups
- Includes InstallAware's own 64-bit Compression Engine for the industry's smallest and most scalable setups



## MSIcode: A Simple Way to Build Setups

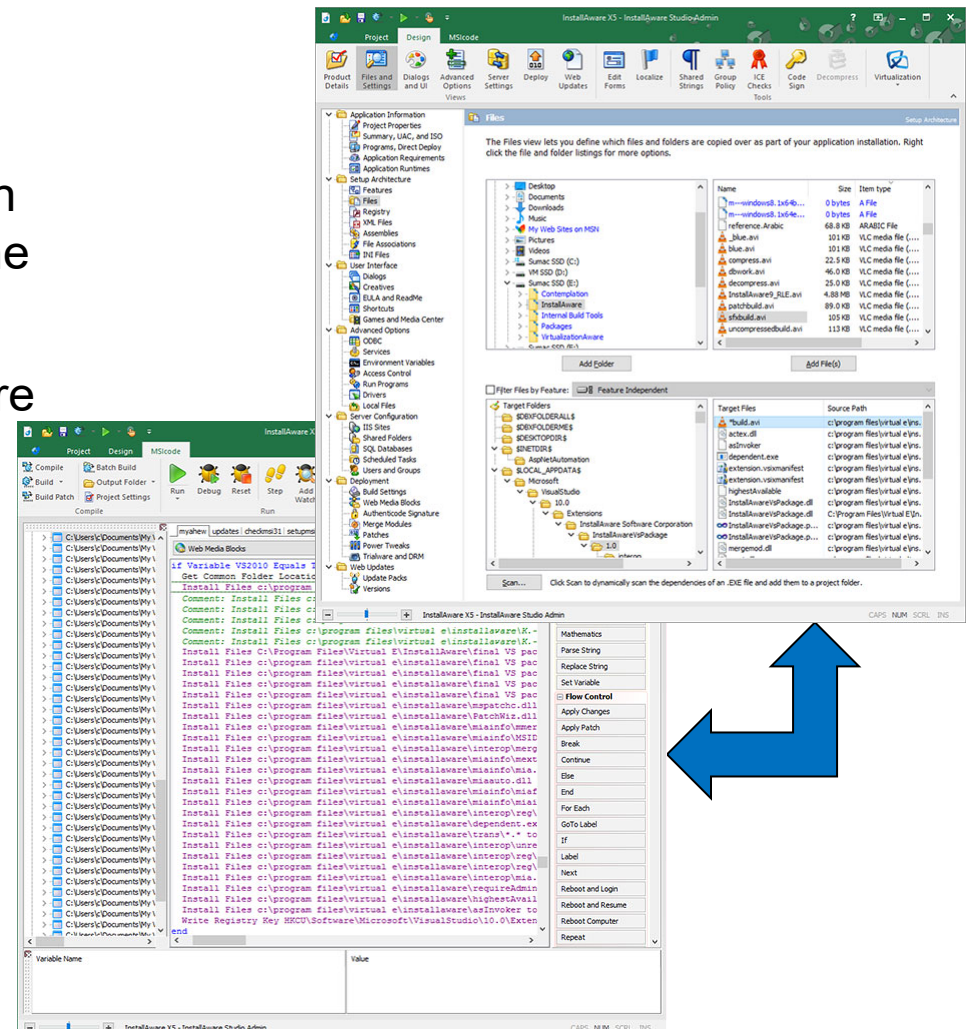
- MSIcode = Custom script developed specifically for Windows Installer.
- Eliminates need to learn the internals of Windows Installer.
- Execute Windows Installer commands within the confines of Windows Installer. No need for a separate scripting engine.
- Eliminate custom action authoring with simple drag and drop script commands.
- Your MSIcode script is automatically built into a Windows Installer MSI database at build time.

```
Installation Script:
367     end
368     if Variable TESTCXX3 Equals TRUE
369         Write Registry Key HKLM\SOFTWARE\7-Zip\Path,
370         Install Files E:\InstallAware\codex\Redistrib
371         Install Files E:\InstallAware\codex\7-Zip\*.
372         Get System Setting 256 MB Physical Memory into
373         if Variable 256MEM Equals TRUE
374             Install Files E:\InstallAware\codex\256\*.
375         else
376             Install Files E:\InstallAware\codex\less\*.
377         end
378     Install Files E:\InstallAware\codex\7-Zip\7zip
379 end
380 Get Component InstallAware Selection State into
381 if Variable SELECTED Equals TRUE
382 [OFFLINE CONTENT]
383     Install Files E:\InstallAware\mGacInfoX.exe to
384     Install Files E:\InstallAware\interop\Flash.o
385     Install Files E:\InstallAware\eslr8\esellerate
386     Install Files E:\InstallAware\eslr8\esellerate
387     Install Files E:\InstallAware\mEslr8.dll to $
388     Install Files E:\InstallAware\The MimarSinan
389 [compiler if Variable SKU Equals ENT]
390     Install Files E:\InstallAware\miae.exe to $TA
391 [compiler else]
392     Install Files E:\InstallAware\mia.exe to $TAR
393 [compiler end]
394     Install Files E:\InstallAware\miae.chm to $TA
395     Install Files E:\InstallAware\*.mil to $TARGE
396     Install Files E:\InstallAware\art\mia.mix to
397     Install Files E:\InstallAware\dependent.exe to
398     Install Files E:\InstallAware\miainfo.dll to
```



# Two-Way Integrated IDE

- Easy to use two-way interface.
- Changes made in the visual design are automatically integrated into the underlying MSIcode.
- Changes made in the code view are immediately shown in the visual design.
- Drag and drop commands.
- Visual wizards.







## 64 bit Compression: 90% Smaller Setups

- InstallAware utilizes a unique decompression and re-compression procedure to provide ultimate space-saving compression ratios.
- Results = best compression rates in the industry.
- Utilizes advanced **LZMA encoder** and **BCJ2 filters**.
- New **64 bit compression** builds setups that are 90% smaller than their source apps and data.
- **Runtimes as small as half their already-compressed Microsoft sizes!**

Redistributable	Regular	InstallAware	Size Gains
Microsoft SQL Server 2019	249 MB	223 MB	11%
Microsoft .NET Framework 4.8	111 MB	106 MB	5.5%
Microsoft .NET 1.1	23,697 KB	12,338 KB	48%
Microsoft .NET 1.1 with Service Pack 1	34,150 KB	11,403 KB	67%
Microsoft .NET Framework 4.5.2	66.8 MB	55.6 MB	17%
Microsoft SQL Server 2016 with SP1	411 MB	255 MB	38%
Microsoft .NET 3.5 (including .NET 2.0 SP1 and .NET 3.0 SP1)	201,848 KB	131,438 KB	35%
Microsoft SQL Server Express 2005	54,791 KB	33,036 KB	40%



## Partial Web Deployment

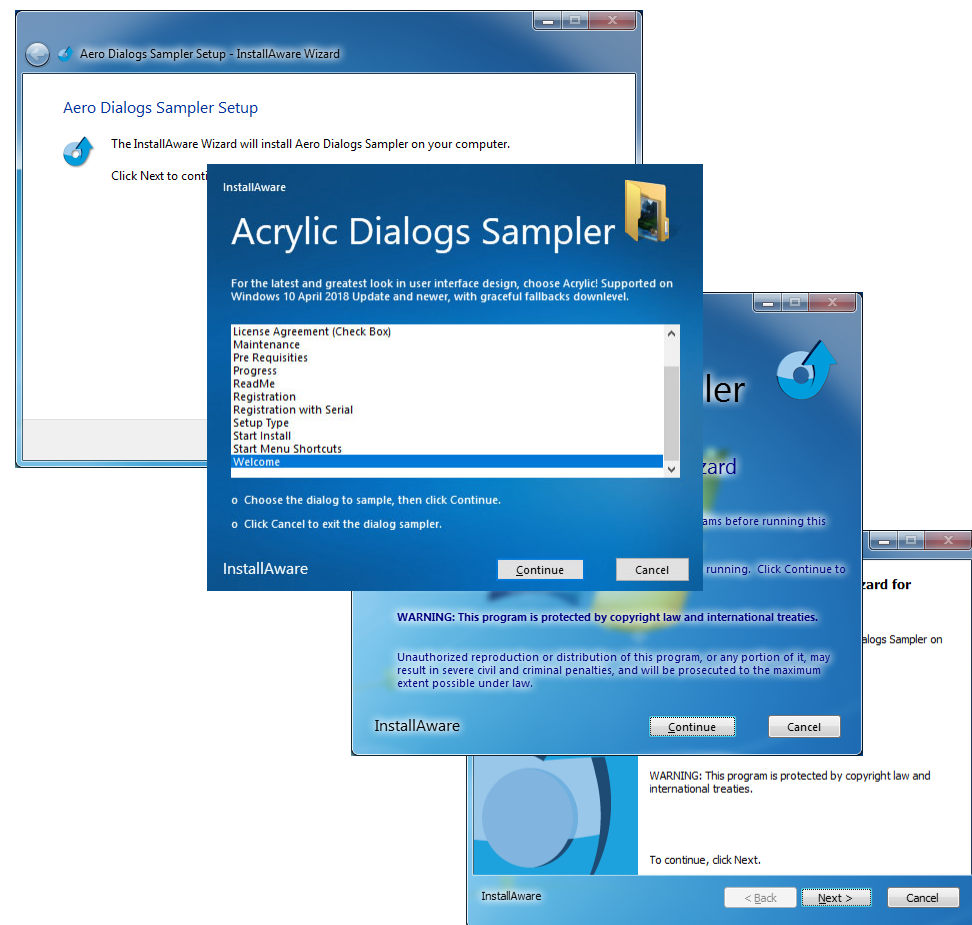
- Remove large technology dependencies from setup packages and deploy them as needed.
- Source files for a setup may be read from:
  - The main setup.exe file
  - Physical media: CD/DVD
  - Network file server
  - FTP server
  - HTTP/HTTPS server
- Several setups may share the same source location. Multiple redundant sources allowed.
- When a setup is running, it will attempt to access the source locations only if necessary.
- When a download fails due to a connection problem, setup automatically resumes without requiring manual user intervention.





# Setup Themes and Customizable Dialogs

- Choose from 18 pre-built themes or create your own
- Build rich interactive dialogs with 43 unique control types
- Create flash/HTML billboards
- No manual coding required
- Improve end-user experience
- First to support Acrylic
- First to ship Microsoft Fluent Design System Theme
- First to ship transition effects (slide and fade)







# Competitive Pricing and Packaging

## InstallAware

- ✓ Premium Product Price: 1,999
- ✓ Competitive Upgrades: 34% discount
- ✓ Affordable floating licenses
- ✓ Low-cost maintenance options
- ✓ FREE unlimited web-updates
- ✓ No license servers
- ✓ Unlimited command line builds
- ✓ No online activation
- ✓ Integrated setup engine
- ✓ Modern look in setup wizards
- ✓ Full runtime decision making

## InstallShield

- ❖ Premium Product Price: 4,999
- ❖ Competitive Upgrades: NONE
- ❖ No floating licenses
- ❖ Average cost maintenance options
- ❖ Limited number of web-updates
- ❖ Complex license server setup
- ❖ No free command line builds
- ❖ Online activation mandatory
- ❖ Bifurcated setup engine
- ❖ 90's look and feel in setup wizards
- ❖ Very limited runtime decisions



## Additional Key Benefits

- One-click patching with binary/differential delta creation
- Suite Installation Wizard to merge multiple third party setups into a master installation
- Gain critical business intelligence through installs/updates/uninstalls
- Full-stack ARM64 Platform (Qualcomm Snapdragon Cellular PC) Support
- Check for (and opt to exclude) virtualized operating systems
- Install drivers on x86, x64, and ia64 platforms
- Run SQL Scripts on Microsoft 2019, Oracle 18c, or MySQL 8.x database servers
- Upgrade InstallShield, Wise, NSIS, Inno Setup projects
- Extend the IDE directly with custom plug-ins that participate in the build process
- Runtime setup mutation – dynamically define/delete features, apply custom logic
- Create new IIS websites, virtual folders, application pools
- Configure advanced service properties, define multiple service failure actions



## Contact Information

### Contact Information:

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Install**Aware** has been recognized by multiple awards coming from Microsoft, SDTimes "**Leader of the Software Development Industry**", Visual Studio Magazine **Reader's Choice**, ComponentSource, WindowsITPro, among other recognition.

### Helpful Links

- Company Website:  
<http://www.installaware.com>
- Peer Support Forums:  
<http://www.installaware.com/forum/>
- Online Ordering:  
<http://www.installaware.com/buydirect.asp>