**Launch the system**

**Unbranded Boot**

- Use Unbranded Boot to suppress Windows 8.1 elements that appear when Industry 8.1 starts or resumes. You can also use Unbranded Boot to suppress the crash screen if Industry 8.1 encounters an error that it cannot recover from.

**Custom Logon**

- Use Custom Logon to suppress Windows 8.1 UI elements related to the Welcome screen and shutdown screen. If used with autologon, Custom Logon will prevent the Welcome screen from appearing at all.

**Shell Launcher**

- Use ShellLauncher to replace the default Windows 8.1 shell with a custom shell. Use an application or an executable as your custom shell, such as a command window or a custom application.

**Windows 8 Application Launcher**

- Use Windows 8 Application Launcher to start a Windows Store app immediately after a user signs into a device. You can configure Windows 8 Application Launcher to start different apps for different user accounts.

**Assigned access**

- Use assigned access to restrict a user account to access a single Windows Store application, which runs in full-screen mode. For example, you can use assigned access to set up single-function devices, such as a restaurant menu or displays at trade shows.

**Control user interaction**

**Gestures Filter**

- Use Gestures Filter to disable all pan-edge gestures available in Windows 8. Gestures Filter enables you to block top extended swipe and pinch of the edge gestures (left, right, and each corner) individually.

**Keyboard Filter**

- Use Keyboard Filter to suppress undesirable keyprobes or key combinations. For example, you may want to prevent customers to use Windows key combinations to lock the screen or use Task Manager.

**Dialog Filter**

- Use Dialog Filter to control which dialog boxes are displayed on the screen, and to automatically hide dialog boxes by taking a default action, such as close or show the dialog box.

**Toast Notification Filter**

- Use Toast Notification Filter to prevent system toast notifications from displaying. It does not block toast notifications from applications. You must use WMI providers to enable Toast Notification Filter at either design time or run time.

**USB Filter**

- Use USB Filter to block access to all USB ports except by trusted devices you have specifically permitted. You can identify trusted devices by device product ID, device vendor ID, or device class ID.

**Unified Write Filter**

- Use Unified Write Filter (UWF) to provide support for stateless device operation, increase system reliability, and help reduce wear on hard drives.

UWF protects volumes by intercepting and redirecting writes to an overlay that records changes to protected volumes. Conceptually, an overlay is similar to a transparency on an overhead projector. Any change made to the transparency affects the projection while the underlying picture remains unchanged. You can protect a volume with UWF while excluding specific files, folders, or registry keys from being filtered.

You must enable UWF at run time by using WMI providers.

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**Build a custom OS**

Windows Embedded 8.1 Industry provides branding and lockdown features to ensure that the industry devices you create reflect your corporate identity and help provide a targeted, secure, and consistent user experience.

Some of the branding and lockdown functionality described here requires the ELM Update.

**Brand it and lock it down**

Use custom branding features to customize the entire look and feel of your device, from the startup screen to the shutdown screen and everything in between.

Use lockdown features to deliver a targeted experience and ensure consistent configuration by limiting how users can interact with your device.

**Add and configure settings**

Add branding and lockdown features to your OS at design time by using either Control Panel or Deployment Image Servicing and Management (DISM). Some features are disabled by default and you must enable them after they are added to the OS. Assigned access is always part of the OS.

The methods for configuring specific settings for each feature at design time vary from feature to feature.