

## Migrating from Windows Embedded/CE to MontaVista CGX

### Introduction

The end-of-life statement from Microsoft for Windows CE has caught embedded projects in an awkward situation, having to migrate their existing devices to a new environment or lose the commercial supportability for their software baseline.

Gladly, a sound alternative exists with MontaVista CGX commercial Linux. CGX can be used to replace the operating system on most devices today running Windows CE, and while doing it, upgrade the operating system to support the latest capabilities that mainstream Linux provides.

Additionally, switching to our Linux allows MontaVista customer to get custom hardware enablement services for new hardware platforms or adjustments of the existing baseline.

Why MontaVista Linux would be the right option for you:

### MontaVista Linux and Carrier Grade eXpress (CGX)

Fully open source MontaVista® Linux® Carrier Grade eXpress (CGX) is MontaVista's main operating system product that delivers Carrier Grade reliability, security, and serviceability in a highly configurable, flexible package.

CGX features address a very large embedded device segment including networking and communications, instrumentation and control, aerospace and defense, SOHO devices, medical electronics and the "Internet of Things (IoT)" market, besides general embedded devices.

MontaVista CGX is also a Carrier Grade distribution, validated for CGL spec version 5.0. This means that our customers can be assured of our product meeting the key criteria set by the CGL working group: Availability, Serviceability, Performance and Security, along with Clustering functionality, Standards support and Hardware-interfacing functionality.

Using CGX allows our customers a very long product lifecycle, and access to MontaVista's commercial grade support and maintenance services for 10 years and more. This service typically includes Security/CVE maintenance and support services, such as 24/7 response times under a strict SLA.

## Key Features of CGX to Allow Migration

### 1) Real-time

CGX is enabled with Linux real-time support, allowing support for 99% of RT use-cases on our target markets.

### 2) Application Frameworks

CGX supports frameworks such as Qt, .NET, Java and HTML5 to allow maximum application compatibility with your existing application investment.

### 3) Connectivity and Media

CGX includes connectivity features such as Bluetooth, with DNLA/MTP support available per request for your use-case.

### 4) Footprint

As low as 256mb RAM + 100mb Flash footprint to target Windows Embedded device range with a possibility to go even lower with our custom engineering.

### 5) Hardware and Embedded Board support

Support for key architectures such as x86, ARMv7, ARMv8, MIPS and PPC  
Request MontaVista for details for your hardware and/or visit [www.mvista.com](http://www.mvista.com)

## Licensing and Commercial model

MontaVista CGX comes with several flexible commercial options, and we always try to find the best fit for our customer's need. Besides offering commercial grade support that we tailor for the size of your development organization, we can also customize our product to run seamlessly on your specific HW and SW requirement, as well as help migrate your Windows software to our Linux.

Best of all, there are no run-time/production fees with CGX! It is fully open-source!  
Please contact us now to discuss your specific requirements.