

HDC GETTING STARTED INTRODUCTION: HELIX DEVICE CLOUD OVERVIEW — VIDEO, 03:52



Copyright Notice

Copyright © 2022 Wind River Systems, Inc.

All rights reserved. No part of this publication may be reproduced or transmitted in any form or by any means without the prior written permission of Wind River Systems, Inc.

Wind River, Simics, Tornado, and VxWorks are registered trademarks of Wind River Systems, Inc. Helix, Pulsar, Rocket, Titanium Cloud, Titanium Control, Titanium Core, Titanium Edge, Titanium Edge SX, Titanium Server, and the Wind River logo are trademarks of Wind River Systems, Inc. Any third-party trademarks referenced are the property of their respective owners. For further information regarding Wind River trademarks, please see:

www.windriver.com/company/terms/trademark.html

This product may include software licensed to Wind River by third parties. Relevant notices (if any) are provided for your product on the Wind River download and installation portals:

<https://delivers.windriver.com/>

<https://windshare.usa.windriver.com/>

Wind River may refer to third-party documentation by listing publications or providing links to third-party websites for informational purposes. Wind River accepts no responsibility for the information provided in such third-party documentation.

Corporate Headquarters

Wind River
500 Wind River Way
Alameda, CA 94501-1153
U.S.A.
Toll free (U.S.A.): +1-800-545-WIND
Telephone: +1-510-748-4100
Facsimile: +1-510-749-2010

For additional contact information, see the Wind River website:

www.windriver.com

For information on how to contact Customer Support, see:

www.windriver.com/support

HDC Getting Started Introduction: Helix Device Cloud Overview — Video, 03:52

29 January 2019

1. HDC GETTING STARTED INTRODUCTION: HELIX DEVICE CLOUD OVERVIEW — VIDEO, 03:52

Published on 6 October 2015

Transcript

Time (mm:ss)	Narration
From: 00:08	Hello, and welcome to this Helix Device Cloud Getting Started video series. My name is Paul Butler. I'm a senior engineering specialist with Wind River, and I'll be guiding you through this video training series. First, let's start with a product overview. We'll talk about the interfaces and the details later, but initially we want to just give you an introduction to what the product really covers. From a high-level view, the Internet of Things is really about connecting devices, and then collecting data from those devices, being able to remotely manage those devices, and then use that data in new business applications. Some devices may have been deployed a long time ago. In this Brown Field scenario, these devices may not have the capability to communicate into the Internet. They may not have an IP stack. They may not have Ethernet. They may only have a serial port type interface and therefore need some sort of conduit connectivity.
From: 01:03	A gateway is the solution to provide for that. Newer devices, or devices being developed now, might have an IP stack, might have Ethernet capability, might have Wi-Fi, Bluetooth, or zigbee; any kind of wireless communication capabilities. And they might have the ability to do this communication directly. In those cases, an agent can be embedded on the device directly, and support communicating into the cloud infrastructure. Simply being able to connect devices and collect data is not enough. You need to be able to remotely manage those devices, deploy software updates, monitor, diagnostics. These are the capabilities that are built into the Helix Device Cloud that we're going to show you how to use. The agent is a software component that either runs on a gateway, or directly on a device target. This agent has also support for the capabilities needed to complement the capabilities in the cloud.
From: 02:01	The Helix Device Cloud is an IoT platform that is pre-integrated. It provides the ability to collect telemetry data and post that data up into the cloud, and it also provides the ability to remotely manage your devices. And there are APIs for doing development, either on the device side, or on the cloud side. The Helix Device Cloud provides this bridge between the device side and the cloud side, with the capabilities for security and management pre-integrated and built in. What you do, is begin developing your applications, either on the embedded side, or the cloud side. There is some sample code provided, and services are available to help you with that application development. So now let's take a look at what you're going to cover in this video series. First, we're going to get your device connected into cloud, and assure that it's communicating. Then, we're going to send out a provisioning package to that device to give it to initial configuration. And then we'll look at how to go about modifying your configuration later. And we'll also look at how to remotely access it to run some diagnostics.
From: 03:02	And then we're going to create some applications, both a cloud-side application and an agent-side application. Although all the examples that we'll cover will be fairly basic, it will give you an end-to-end view of all the capabilities that are in the system, how to use them, and how to develop applications in the future. Ok, so what will you need to get started? Well, first you'll need a platform development installation for IDP 3.0, and you'll need a Moon Island gateway. Then you'll also need your login credentials to a sandbox, and you'll need at least some basic Linux command-line skills and a little bit of software development experience. Alright, if you're ready to jump in, we'll get started in the next segment in this series.

Contact: nlyons

Content ID: 045827

template('WindRiver/function/JS/wrConditionalContent');