

Devicecomponent Fhir Resource Proposal

Contents

- 1 DeviceComponent
 - 1.1 Owning committee name
 - 1.2 Contributing or Reviewing Work Groups
 - 1.3 FHIR Resource Development Project Insight ID
 - 1.4 Scope of coverage
 - 1.5 RIM scope
 - 1.6 Resource appropriateness
 - 1.7 Expected implementations
 - 1.8 Content sources
 - 1.9 Example Scenarios
 - 1.10 Resource Relationships
 - 1.11 Timelines
 - 1.12 gForge Users

DeviceComponent

Owning committee name

[Health Care Devices \(DEV\) WG](#)

Contributing or Reviewing Work Groups

[Health Care Devices \(DEV\) WG](#)

FHIR Resource Development Project Insight ID

[Project Insight 1103](#)

Scope of coverage

The DeviceComponent resource is used to describe the characteristics, operational status and capabilities of a medical-related component of a medical device. It can be a physical component that is integrated inside the device, a removable physical component, or a non-physical component that allows physiological measurement data and its derived data to be grouped in a hierarchical information organization.

Note:

For the initial scope, this DeviceComponent resource is only applicable to describe a single node (such as MDS, VMD, or Channel) represents in the containment tree that is produced by the context scanner in any medical device that implements or derives from the ISO/IEEE 11073 standard.

RIM scope

TBD

Resource appropriateness

This DeviceComponent resource is solely used to describe a single node (such as MDS, VMD, or Channel) represents in the containment tree that is produced by the context scanner in any medical device that implements or derives from the ISO/IEEE 11073 standard. Refer to MedicalDeviceSystem, VirtualMedicalDevice, and DeviceChannel profiles for a more appropriate usage.

Expected implementations

- Center for Medical Interoperability will be in collaboration with Dräger Medical to work on the resource definition for DeviceComponent.

Content sources

- ISO/IEEE 11073-10201
- ISO/IEEE 11073-20601

Example Scenarios

- A simple MDS from a pulse oximeter containment tree.
- A plugin module for a patient monitoring system containment tree.
- A primary channel from an infusion pump containment tree.

Resource Relationships

Uses

- [Device](#) (by MedicalDeviceSystem profile)
- [Patient](#) (by MedicalDeviceSystem profile)
- [Location](#) (by MedicalDeviceSystem profile)
- [DeviceComponent](#)

Timelines

- Ready for Draft for Comment ballot: January 2015

- Complete for DSTU 2.0: August 2015

gForge Users

TBD