New Content in OIC 1.1

June 2016
New Content in OIC 1.1
Smart Home Device Spec

• Smart Home Bridge Device enhancements and clarity to enable Certification

• Support on a Sensor device for any Resources that indicates sensed values, not just Resources that are characterized explicitly as a sensor resource.

• New Device Types:
  • Smart Lock
New Content in OIC 1.1 Resource Spec

• Support for Resource usage that is restricted because of regulatory or other regional restrictions (e.g. blocking of remote power on).

• Full definition of scheme to support vendor extensions to Resource Types, Resource Properties and Enumerations.

• New Resource Types to better support:
  • Wearables
  • Control of ‘robot’ devices (such as Robot Cleaners)
# New Resources in OIC 1.1

## Resource Spec

<table>
<thead>
<tr>
<th>Resource Type Name</th>
<th>Resource Type ID</th>
</tr>
</thead>
<tbody>
<tr>
<td>Acceleration Sensor</td>
<td>oic.r.sensor.acceleration</td>
</tr>
<tr>
<td>Altimeter</td>
<td>oic.r.altimeter</td>
</tr>
<tr>
<td>Clock</td>
<td>oic.r.clock</td>
</tr>
<tr>
<td>Geolocation Sensor</td>
<td>oic.r.sensor.geolocation</td>
</tr>
<tr>
<td>Height</td>
<td>oic.r.height</td>
</tr>
<tr>
<td>Movement</td>
<td>oic.r.movement.linear</td>
</tr>
<tr>
<td>Sleep Sensor</td>
<td>oic.r.sensor.sleep</td>
</tr>
<tr>
<td>Smoke Sensor</td>
<td>oic.r.sensor.smoke</td>
</tr>
<tr>
<td>Three Axis Sensor</td>
<td>oic.r.sensor.threaxis</td>
</tr>
<tr>
<td>Weight</td>
<td>oic.r.weight</td>
</tr>
</tbody>
</table>
New Content in OIC 1.1-General
Core Framework Spec

• Enhance Resource model to facilitate new Resource Type development
  • Provide building blocks with which each Vertical can define its own Resource Type with ease
New Content in OIC 1.1-Resource model
Core Framework Spec

• Develop building blocks with which each Vertical can define its own Resource Type
  • Define new Common Properties (e.g. “id”, “links”) for better Resource Representation
  • Provide a way for vendors to extend the current spec to define its own data model with vendor defined Resource Type or Property.

• Construct features to facilitate Client & Server interaction
  • Present a way to secure RESTful transaction with COAPS
  • Specify “interface” to provide Clients a view of Resources in Servers.
Security
New/Enhanced Content in OIC 1.1 Security Spec

- RAML/JSON Finalization
- Device Final State Ownership Transfer Method
- Common Ownership Credential for DFS
- Security Levels
- Resource Type Versioning
- Crypto-Suite Consolidation
- CommitHash removal