

# Common Annotations

Find here a reference and glossary of common annotations intrinsically supported by the CDS compiler and runtimes.

↳ *Learn more about the syntax of annotations.*

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## General Purpose

Annotation	Description	Alternatives
<code>@title</code>	<i>Common.Label</i>	
<code>@description</code>	<i>Core.Description</i>	

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## Access Control

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Annotation	Description
<code>@restrict</code>	see <a href="#">Authorization</a>
<code>@requires</code>	see <a href="#">Authorization</a>

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## Input Validation

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Annotation	Description
<code>@readonly</code>	see <a href="#">Input Validation</a>
<code>@mandatory</code>	see <a href="#">Input Validation</a>
<code>@assert.target</code>	see <a href="#">Input Validation</a>
<code>@assert.format</code>	see <a href="#">Input Validation</a>
<code>@assert.range</code>	see <a href="#">Input Validation</a>

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## Services / APIs

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Annotation	Description
<code>@path</code>	see <a href="#">Services</a>
<code>@impl</code>	see <a href="#">Reuse &amp; Compose</a>
<code>@odata.etag</code>	see <a href="#">Providing Services</a>
<code>@cds.autoexpose</code>	see <a href="#">Providing Services</a>
<code>@cds.api.ignore</code>	see <a href="#">OData</a>

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Annotation	Description
<code>@cds.query.limit</code>	see <a href="#">Providing Services</a>
<code>@cds.localized</code>	see <a href="#">Localized Data</a>
<code>@cds.valid.from/to</code>	see <a href="#">Temporal Data</a>
<code>@cds.search</code>	see <a href="#">Search Capabilities</a>

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## Persistence

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Annotation	Description
<code>@cds.persistence.exists</code>	see <a href="#">Generating DDL Files</a>
<code>@cds.persistence.table</code>	see <a href="#">Generating DDL Files</a>
<code>@cds.persistence.skip</code>	see <a href="#">Generating DDL Files</a>
<code>@cds.persistence.mock</code>	<code>false</code> excludes this entity from automatic mocking
<code>@cds.on.insert</code>	see <a href="#">Providing Services</a>
<code>@cds.on.update</code>	see <a href="#">Providing Services</a>
<code>@sql.prepend</code>	see <a href="#">Generating DDL Files</a>
<code>@sql.append</code>	see <a href="#">Generating DDL Files</a>

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## OData

↳ Learn more about [OData Annotations in CDS](#).

Shortcuts:

Annotation	Description
<code>@ValueList.entity</code>	see <a href="#">Domain Modeling</a>
<code>@odata.Type</code>	see <a href="#">OData</a>
<code>@odata.MaxLength</code>	see <a href="#">OData</a>
<code>@odata.Precision</code>	see <a href="#">OData</a>
<code>@odata.Scale</code>	see <a href="#">OData</a>
<code>@odata.singleton</code>	see <a href="#">OData</a>

Intrinsically supported OData Annotations:

Annotation	Description
<code>@Core.Computed</code>	see <a href="#">Providing Services</a>
<code>@Core.Immutable</code>	see <a href="#">Providing Services</a>
<code>@Core.MediaType</code>	see <a href="#">Media Data</a>
<code>@Core.IsMediaType</code>	see <a href="#">Media Data</a>
<code>@Core.IsUrl</code>	see <a href="#">Media Data</a>
<code>@Capabilities...</code>	see <a href="#">Fiori</a>

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