

**Users**

**Computers**

*In-Browser  
Apps*

*User Layer  
Desktop Apps*

*User  
Programs*

Using

VOResource

RegTAP

RegistryInterface

Resource M.D.

*VO Query  
Languages*

STC

**Registry**

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*Semantics*

VO  
Core

*Data  
Models*

Getting

**Data Access Protocols**

VODataService

*Formats*

VOSI

Sharing

*Storage*

*Data and Metadata Collection  
Resource Layer*

*Computation*

**Providers**