



## Global Data Space Framework

Component name	Global Data Space Framework		
Category (IP/ Reusable)	Reusable	Component type (HW/SW/product etc)	SW
HW Platform	Portable	SW Platform /OS	Windows, Unix, Proprietary Platform
Applications / applicable products	Any data centric systems managing static as well as online data.		
Market/ industries applicable	Any Industry		
Product Description	Framework that makes Global Data Spaces for storing and retrieving structured/unstructured data in a data centric system. The users can configure named Global Data spaces along with its structure (optional). The framework will automatically create these spaces at system startup or on request. The applications in the system can access these Data Spaces using name for reading and writing data.		
Features /benefits	<ul style="list-style-type: none"><li>• The framework supports creation/read/write of named global data spaces in a data centric system.</li><li>• The following types of Global Data Spaces are supported.<ol style="list-style-type: none"><li>(1) <b>Linear Tables (fixed record size tables)</b>: Global data space with a header and fixed size records. The records can be accessed using APIs.</li><li>(2) <b>Nonlinear Tables (varying record size tables)</b>: Global data space with a header and varying size records. The records can be accessed using APIs.</li><li>(3) <b>Flat memory</b>: A fixed size memory which can be used for storing data in any format as defined by the creating application.</li></ol></li><li>• Supports three different platforms but customizable to other platforms.</li><li>• Fully Configurable</li><li>• C/C++ callable API set</li><li>• Optimized implementation, can be ported to new platforms</li></ul>		
Readiness	Available, customization required		