



Overview	
Introduction	Cura™ Products are multi-tiered, web-enabled applications. Cura™ Products consist of three tiers: client applications (rich clients and web browser), server applications and a Microsoft SQL Server™ database. Cura™ Products facilitate communication between the Client applications and the server applications using XML over HTTP.
Platform Support	Cura™ Products have been developed for Win32 operating systems; i.e. the software can be used on Microsoft® Windows™ 2000, 2003 and XP.
Protocol Support	Cura™ Products are developed using Cura™ Architecture and Cura™ iXML protocol. The iXML protocols use HTTP as the transport medium and XML documents for the encoding of requests and responses.
Development Technologies	<div style="display: flex; align-items: flex-start;"> <div style="flex: 1;"> <p>The diagram illustrates the Cura™ architecture. On the left, a Rich Client and a Web Client are shown. The Rich Client sends XML Data to the Cura™ Routing Component and Web Server. The Web Client also connects to this component. The Routing Component connects to Apps and Other Business Applications. Below the Routing Component are Cura™ Application Servers, which connect to the Apps and Other Business Applications. The Application Servers also connect to Database Servers and Other Database Servers.</p> </div> <div style="flex: 2; padding-left: 20px;"> <p>Cura™ Products are developed in a Win32 environment using Delphi™ as the development tool of choice.</p> <p>Cura™ Products make extensive use of the Cura™ Architecture and toolkit to web-enable the applications. Cura™ Architecture provides an ISAPI extension for IIS which acts as a Message Router (MRC). The extension is used by Cura™ Products to route requests from the Clients to the Servers.</p> <p>Cura™ Products do not make use of any proprietary standards. Cura™ Products make use of open standards like HTTP and XML. The Server applications use Microsoft® SQL Server™ as the database management system and communicate with the DBMS using ODBC 3+.</p> </div> </div>
Application Integration	Cura™ Products have well documented open interfaces which facilitate integration with legacy/back office systems. Cura™ has a built in ASE (Advanced Security Extensions) allowing you to synchronize and integrate Cura™ users with Global Address Lists (GAL), Windows Security and LDAP.
Security	Security is implemented using a User Name/Password challenge. Cura™ Products leverage off the authentication approach already in place within the corporate environment. Cura™ Products do not make use of any proprietary encryption of requests and responses. Cura™ leverages off standard web channel encryption (HTTPS). Cura™ Products allow remote administration via the Client applications. Administration functions include: monitoring active users, backing up and restoring databases, administering users, and creating new databases.



<p>Bandwidth Usage</p>	<p>Cura™ Products have been developed to utilize minimal bandwidth and can easily be used over a dial-up connection.</p> <p>Cura recommends that Server, DBMS and Web Server components be connected on a LAN. The clients may connect to the Web Server, via LAN, WAN or Dial-up connections.</p> <p>Cura™ Client Applications are usable on a dial-up connection of 56Kbps with a latency of 0.8ms.</p>	
<p>Configuration</p>	<p>Configuration information for Cura™ Products are stored within the registry. Cura™ Architecture makes uses of XML files to store its configuration settings.</p>	
<p>Access to the Server</p>	<p>Access to the Server can be achieved using the Client and/or a Web Browser. The only requirement for accessing the Server is that the Client application/browser is able to perform an HTTP POST or GET command.</p>	
<p>Load Balancing and Fail-Over</p>	<p>Cura™ Architecture provides load-balancing support through the Message Routing Component (MRC) as well as software fail over support through the Application Request Broker (ARB) hardware fail-over support through multiple application servers.</p>	
<p>Server Hardware and Software Requirements</p>		
<p>Minimum Hardware/Software Requirements: <u>Server Applications</u></p>	<p>O/S: For stability preference is given to true 32bit operating systems such as Microsoft® Windows™ 2000, and 2003.</p> <p>ODBC: Version 3.5 ODBC Drivers for Microsoft® SQL Server™.</p> <p>Processor: Per minimum required by the O/S.</p> <p>Memory: Depending on O/S : Microsoft® Windows™ 2000, 2003, and XP (128Mb)</p>	
<p>Suggested Implementation: <u>Components and Software</u></p>	<p>Web Server(s) (Microsoft® Windows™ 2003, 2000, Microsoft® IIS™, Cura™ MRC) .</p> <p>Application Server(s) (Microsoft® Windows™ 2003, 2000, Cura™ ARB, Cura™ Product Server, ODBC 3+) .</p> <p>Database Server(s) (Microsoft® Windows™ 2003, 2000, SQL Server™ 2003, 2000) .</p>	
<p>Processor</p>	<p>Intel® Pentium™ III 1.13GHz/133MHz FSB with 512Kb cache or higher processor.</p>	
<p>Operating System</p>	<p>Microsoft® Windows™ 2003/2000 Server, Windows™ 2000 Advanced Server, Windows™ 2003/2000 Datacenter Server.</p>	
<p>Service Packs</p>	<p>Service packs are the means by which Microsoft® distributes bug fixes in its operating systems and applications. Administrators should load the latest service packs where appropriate.</p>	



Memory	1Gb PC133 SDRAM
Hard Disk	High RPM SCSI Drives with Raid level 5 At least 1 GB free hard-disk space <i>Note: Hard-disk requirements vary based on system configuration, applications and data.</i>
Drive	CD-ROM drive for installation of software
Minimum Workstation/Server Requirements	
Minimum Hardware/Software Requirements: <u>Client Applications</u>	O/S: For stability preference is given to true 32-bit operating systems such as Microsoft® Windows™ 2000, 2003, and XP. Processor: Intel® Pentium™ III Memory: Depending on O/S : Microsoft® Windows™ 2000, 2003, and XP (128Mb) Disk Space: 40Mb
Service Packs	Service packs are the means by which Microsoft® distributes bug fixes in its operating systems and applications. Administrators should load the latest service packs where appropriate.
Recommended Workstation	Intel® Pentium™ IV with 256Mb RAM 100Mb free hard disk space Microsoft® Windows™ 2000, 2003, XP