



# Compliance Component

## DEFINITION

<i>Name</i>	File Transfer Protocol (FTP) for Data Transfer/Exchange
<i>Description</i>	<p>FTP is a method for transferring files to and from remote computer systems over the Internet. FTP is an application protocol that uses the network's TCP/IP. FTP, though usable directly by a user at a terminal, is designed mainly for use by programs.</p> <p>This document does not address FTP server configuration, which will be addressed by the Infrastructure Domain. It also does not specify levels of encryption, which will be addressed by the Security Domain.</p>
<i>Rationale</i>	<ul style="list-style-type: none"> <li>• Allows state employees to transfer data faster, cheaper, and safer, thus saving time and increasing efficiency</li> <li>• Allows the state to exchange data with private entities</li> <li>• Allows state agencies to exchange data with one another</li> </ul>
<i>Benefits</i>	<p>The objectives of FTP are:</p> <ol style="list-style-type: none"> <li>1) to promote sharing of files (computer programs and/or data)</li> <li>2) to encourage indirect or implicit (via programs) use of remote computers</li> <li>3) to shield a user from variations in file storage systems among hosts</li> <li>4) to transfer data reliably and efficiently, reducing the use of fixed media (i.e. CD's, floppies, paper, etc.).</li> </ol>

## ASSOCIATED ARCHITECTURE LEVELS

<i>Specify the Domain Name</i>	Interoperability
<i>Specify the Discipline Name</i>	Data Exchange
<i>Specify the Technology Area Name</i>	Data Transfer Protocols/Standards
<i>Specify the Product Component Name</i>	Products include, but are not limited to, the following: WS_FTP Pro, FTP for MVS, SDC Secure FTP Server

## COMPLIANCE COMPONENT TYPE

<i>Document the Compliance Component Type</i>	Guideline
<i>Component Sub-type</i>	

## COMPLIANCE DETAIL

<i>State the Guideline, Standard or Legislation</i>	<p>The use of FTP is encouraged in lieu of fixed media whenever possible. However, the infrastructure costs of FTP need to be factored into that decision. There are additional network, hardware and processing costs associated with secure FTP. These costs may outweigh the costs of other transfer methods, in some cases.</p> <p>Each agency must review their data and determine, based upon the type of data, whether basic or secure FTP should be used. In basic FTP, data is transferred in clear text, which is easier for unauthorized access. In secure FTP, data is transferred in an encrypted format; the Security Domain will determine the encryption level. When in doubt, secure FTP should be used.</p> <p>There are a number of free FTP products / clients available. The use of these free products is discouraged due to the following:</p> <ol style="list-style-type: none"> <li>1. Lack of product support</li> <li>2. Issues of incompatibility between the FTP server and the FTP client</li> <li>3. May not meet encryption standards.</li> </ol>
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<i>Document Source Reference #</i>	
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<b>Compliance Sources</b>
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<i>Name</i>	<i>Website</i>	
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<i>Contact Information</i>
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<i>Name</i>	<i>Website</i>	
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<i>Contact Information</i>
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<b>KEYWORDS</b>
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<i>List Keywords</i>	FTP, File Transfer Protocol, Data Transfer
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<b>COMPONENT CLASSIFICATION</b>
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<i>Provide the Classification</i>	<input type="checkbox"/> <i>Emerging</i> <input checked="" type="checkbox"/> <i>Current</i> <input type="checkbox"/> <i>Twilight</i> <input type="checkbox"/> <i>Sunset</i>
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<i>Sunset Date</i>	
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<b>COMPONENT SUB-CLASSIFICATION</b>
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<b>Sub-Classification</b>	<b>Date</b>	<b>Additional Sub-Classification Information</b>
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<input type="checkbox"/> <i>Technology Watch</i>		
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<input type="checkbox"/> <i>Variance</i>		
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<input type="checkbox"/> <i>Conditional Use</i>		
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<b>Rationale for Component Classification</b>
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<i>Document the Rationale for Component Classification</i>	
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<b>Migration Strategy</b>
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<i>Document the Migration Strategy</i>	
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<b>Impact Position Statement</b>
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<i>Document the Position Statement on Impact</i>	
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### CURRENT STATUS

*Provide the Current Status*

*In Development*     *Under Review*     *Approved*     *Rejected*

### AUDIT TRAIL

<i>Creation Date</i>	4/16/04	<i>Date Approved / Rejected</i>	8/10/04
<i>Reason for Rejection</i>			
<i>Last Date Reviewed</i>		<i>Last Date Updated</i>	
<i>Reason for Update</i>			