



## QUMAS Product Brief: Content Cache

### QUMAS Content Cache for DocCompliance

#### Challenges

- Moving content files to users can be time consuming if the files are very large.
- The bandwidth needed to transfer these files can be considerable, even when using HTTP compression methods.
- This can be a major headache for central sites that provide access to content for numerous decentralized sites, with different bandwidth qualities and accessibilities.

#### Solutions Overview

- The Content Caching Server is designed to alleviate potential bottlenecks faced by remote users when accessing frequently used files.
- The Content Cache stores local copies of the files at the remote locations – once a file has been accessed once, it will be stored on the local server in the Content cache.
- When users request these files, they are sent the local copy.
- This dramatically reduces the bandwidth required to operate in a distributed environment.

#### Brief Summary of Functionality

- The local content caching server is a simple Web server that can be installed on any local server and dramatically improves performance for remote users accessing frequently used files. It requires only an operating server and the installation of the QUMAS Content Server software to function.
- If the request is View or Export, the request will be redirected to a local application: each local server has an application sitting on it (this is the only QUMAS software required at the local site).
- The application checks the name of the file and determines if it is in the local cache. If it is, the file is displayed – if not, the file is accessed from DocCompliance, displayed and stored there for future reference and faster access.
- Full version control is assured. As an example, assume a document is viewed on Monday by a user in the UK and the document is then modified on Tuesday in the US centrally. When a UK user goes to view the same document on Wednesday, the user will be prompted to download the document from the central DocCompliance repository to ensure the user has the most recent version.

#### Benefits

- Faster content access times; Enterprise-wide information dissemination.
- Simple to use; Simple to roll out; Rapid deployment; Scalable to 50,000 users.
- Low training overhead; Low administrative overhead; Low processing overhead.
- Secure, auditable access to confidential information.
- Reduced total cost of ownership (reduced bandwidth costs).



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#### Administration

- The central DocCompliance server has a list of all remote caches. This list is always up to date with new sites and server details. The QUMAS administrator maintains this list – there is full guidance available in the Help Files on performing this task. Each site has a URL, and this is used for accessing files, based on the location the user is logged on at when requesting the file.
- The administration functions include the following: ability to limit the number of documents that reside in the cache; the ability to clear the cache and collect statistics, such as hits, misses, counts, and so on.
- The security settings on the repository apply, regardless of from where you are accessing content.
- The tuning/configuration may be performed by QUMAS Services or by users who have had the relevant training.

#### About QUMAS

QUMAS is a leading developer of enterprise compliance management solutions designed to help life sciences organizations meet industry and government standards for 21 CFR Part 11, cGxP, Quality, Regulatory Affairs and Clinical Operations. With over a decade of experience, QUMAS is helping companies accelerate business processes, reduce costs and improve quality. From content lifecycle management, business process and change management to reporting and analysis, the QUMAS Compliance Suite is successfully enabling global life science organizations to proactively manage their regulated content and processes in a secure and compliant way.

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