

SILENUS - Sorcer Integrated Local New User's Storage

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Problem Statement	Objective / Approach																
<p>Existing distributed file stores</p> <ul style="list-style-type: none">- are difficult to set up- require high maintenance- have problems with server downtime- don't handle topology changes- don't provide privacy from administrators- don't scale for large number of nodes- are incompatible with service-oriented architectures	<p>Objective: to create a new filestorage based on the SORCER environment</p> <p>Approach:</p> <ul style="list-style-type: none">- Authentication for Authorization- Encryption for privacy- Replication for availability- Multisource download for performance																
Schedule	Benefits																
<table><tbody><tr><td>Background Research</td><td>01/04 - 12/04</td></tr><tr><td>Initial Proposal</td><td>06/04</td></tr><tr><td>System Design</td><td>06/04 - 12/04</td></tr><tr><td>FileStorer</td><td>01/05 - 06/05</td></tr><tr><td>WebDAV Adapter</td><td>07/05 - 12/05</td></tr><tr><td>Extended Services</td><td>03/05 - 11/06</td></tr><tr><td>Optimizer</td><td>01/06 - 11/06</td></tr><tr><td>Defense</td><td>11/06</td></tr></tbody></table>	Background Research	01/04 - 12/04	Initial Proposal	06/04	System Design	06/04 - 12/04	FileStorer	01/05 - 06/05	WebDAV Adapter	07/05 - 12/05	Extended Services	03/05 - 11/06	Optimizer	01/06 - 11/06	Defense	11/06	<ul style="list-style-type: none">- comprehensive security- completely self-managed- fully transparent for the user- adding disk space is easy- compatible with legacy applications via WebDAV interface
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