**Technical document**

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**Review**

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**Document History**

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# System Configuration:

The whole configuration will be installed on a node. Linux Debian will be installed as main operation system. Linux KVM will be installed as a hypervisor, while Linux LibVirt will be used to communicate with KVM. To host our servlets we use Apache Tomcat container, and the standard Apache webserver. The Apache webserver will create an internal redirect to Apache Tomcat, this way additional security is provided. Within the Tomcat container Apache Velocity will be used as template engine. Java also will be installed on the server, this is a requirement for Velocity. For now, two servlets needs to be created. One to serve the client based web servlet which provides and shows information to the customers, and another to actually get the information from the system which is needed in other servlet.

For redundancy for disk space will be provides by a SAN system, this SAN will be equipped with five petabyte of storage.

For security reasons we will be creating an infrastructure with multiple users, servlets will most likely run on their own user. More information in the Technical Design will come when ITopia has provided their Workshop Security.

A FTP Server like vsftpd or Filezilla will most likely will be installed for test purposes to transfer files quickly and secure. When the project is finished or an image of the server needs to be send over to ITopia or PlainTech UK the service will be uninstalled so no further security risk is taken.

# System Design: