*<System xxx>*

*Architecture*

**Client**



**Date** <date>  
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| **Revision Description** | **Author** | **Date** | **Version** |
| Initial Writing | Thomas Beale | <date> | 0.9 |

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# Introduction

## Purpose

The purpose of this document is to describe the system architecture of XXXXX.

It will be used as the basis for the architecture of the XXXX implementation.

## Scope

### Inclusions

This document covers the following broad system functions:

* xx

### Exclusions

The following system functions are out of scope:

* xxx.
* Reporting

## Definitions, acronyms, and abbreviations

The following definitions are used in this document.

| Term | Definition |
| --- | --- |
|  |  |
|  |  |
|  |  |
|  |  |
|  |  |

## References

These documents should be read in conjunction with this specification.

|  |  |  |  |
| --- | --- | --- | --- |
| Ref | Name | Version or File Name | Date |
|  | xxx | 0.1.0 | 26/09/2011 |

# Introduction

## Background

<Summary of need underlying the system>

## Operating Environment

<High-level Description of operating environment for new system, typically including a diagram>

# High-level Architecture

# SYSTEM Semantics

<describe requirements in terms of business processes, workflows, rules >

## Information Model

<key data entities / structures>

## Workflow / Process Descriptions

<key system workflows, if relevant>

## Business Rules / Domain Content

<features for representing and processing business rule>

# Deployment architecture

## Overview

## Persistence Architecture

<describe persistence structure>

## Services Architecture

<describe SOA structure>

## Application Architecture

<describe application structure>

## Presentation Architecture

<describe presentation structure>

# Security Architecture

## Authentication

<Describe user and system authentication>

### Password Strength and validity period

<Describe password-based authentication>

## Authorisation

<Describe user authorisation facilities>

## Audit

<Describe audit trail facilities>.

## Data Integrity

<Describe data integrity features>.

## Non-repudiation

<Describe non-repudiation features>.

# Technical Capabilities

## Availability Architecture

### Failure Modes

<describe redundant architecture>

### Disaster Recovery

<disaster recovery feature>

## Instrumenting

<System instrumentation features>

## Scalability

<Scaling capabilities>

## Platform Portability

<Ability to deploy on platforms>

## Configurability

<User configuration>

# Data Management

## Backup and Recovery

<Describe backup / recovery capability>.

## Archiving

<Describe archive capability>

## Data Remediation

<Describe ability to do with post-hoc fine-grained correction of data corruption, or other detailed data problems that would ordinarily require data migration.>

## Data Dump and Load

<Describe dump/load capability>

# Standards Support and Conformance

The xxx System uses several standards and specifications that allow it to interoperate with other systems. These include:

* openEHR Reference and Archetype Models
* HL7 Clinical Document Architecture (CDA)
* Extensible Markup Language (XML)
* Extensible Stylesheet Language Transformations (XSLT)
* HTML 4
* CSS ?
* HTTP 1.1
* NASH - PKI

# Internationalisation and Localisation

<i18n and i10n facilities>.

# Documentation & Help

<Help facilities>