AS-IS TECHNICAL ARCHITECTURE REVIEW

for <Project>

Version 1.0

Prepared by <author>

<Date created>
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Revision History

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As-Is Technical Architecture Review for <Project>
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1. Introduction

1.1 Purpose

The technical state of all hardware, operating system software, developed application software, and commercial off the shelf software (COTS) used at the Oklahoma Department of Human Services (OKDHS) shall be defined in this document, including the revision or release number. Describe the scope of the hardware and software technical state for the primary system components and all sub system components.

1.2 Document Conventions

Describe any standards or typographical conventions that were followed when writing this document, such as fonts or highlighting that has special significance.

1.3 Intended Audience and Reading Suggestions

Describe the different types of reader that the document is intended for, such as architects, developers, project managers, users, testers, and documentation writers. Describe what the rest of this document contains and how it is organized. Suggest a sequence for reading the document, beginning with the overview sections and proceeding through the sections that are most pertinent to each reader type.

1.4 Scope

Provide a short description of what technology is being described and its purpose, including relevant benefits, objectives, and goals. Relate the technology to organizational goals or business strategies. If a separate vision and scope document is available, refer to it rather than duplicating its contents here.

1.5 References

List any other documents or Web addresses to which any of the technology refers. These may include user interface style guides, contracts, standards, system requirements specifications, use case documents, or a vision and scope document. Provide enough information so that the reader could access a copy of each reference, including title, author, version number, date, and source or location.
2. Information Technology Overview

2.1 Technical State Perspective

<Describe the context and origin of the technology being described in this document. Use diagrams and technical architecture drawings that show the major components of the overall system, subsystem interconnections, and external interfaces.>

2.2 Centralized Hardware Infrastructure

3.1.1. <Describe the general infrastructure installed and operational>
- <mainframes>
- <servers>
- <technical interfaces, such as connectors, buses, etc.>
- <network components, such as routers, switches, hubs, converters>
- <wireless components, such as APs>
- <tape systems, tape libraries, etc.>
- <cable racks, component racks, etc.>
- <desktop computers>
- <mobile computers, such as tablets, laptops, smart phones, personal digital assistants>
- <firewalls>
- <virtual private networks>
- <Internet content filter components>
- <printers>

2.3 Decentralized Hardware Infrastructure

3.1.2. <Describe the general infrastructure installed and operational>
- <mainframes>
- <servers>
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- <desktop computers>
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- mobile computers, such as tablets, laptops, smart phones, personal digital assistants
- firewalls
- virtual private networks
- Internet content filter components
- printers

2.4 Centralized Hardware Infrastructure Operating Environment

<Describe the environment in which the hardware and software will operate, including the hardware platform, operating system and versions, and any other software components or applications with which it must peacefully coexist.>

- air conditioning
- humidity controls
- fire suppression
- power infrastructure
- backup power, such as generators and uninterruptible power supplies
- physical security devices

2.5 Decentralized Hardware Infrastructure Operating Environment

<Describe the environment in which the hardware and software will operate, including the hardware platform, operating system and versions, and any other software components or applications with which it must peacefully coexist.>

- air conditioning
- humidity controls
- fire suppression
- power infrastructure
- backup power, such as generators and uninterruptible power supplies
- physical security devices

2.6 Software Operating Systems
2.7 Applications (Developed and COTS)

2.8 Databases

2.9 User Documentation

<List the user documentation components (such as user manuals, on-line help, and tutorials) that will be delivered along with the hardware and software. Identify any known user documentation delivery formats or standards.>

2.10 Assumptions and Dependencies

<List any assumed factors (as opposed to known facts) that could affect the specifications stated in the document. These could include third-party or commercial components specifications that you plan to reference, specific operating environment, or constraints. The overall project could be affected if these assumptions are incorrect, are not shared, or change. Also identify any and all dependencies as they relate to known external factors.>

3. Technical State System Component Specifications

<List template illustrates organizing the specifications for the infrastructure hardware or software by system component, the major services provided by the component.>

3.1 System Component Features

<List state the component name in just a few words.>

3.1.3 Description

<List provide a short description of the component and any interoperability with other components.>

4. Technical State External Interface Specifications

4.1 User Interfaces

<List describe the logical characteristics of each interface between the hardware or software component and the users. This may include sample screen images, any GUI standards, screen layout constraints, standard buttons and functions (e.g., help) that will appear on every screen, keyboard shortcuts, error message display standards, and
so on. Define the hardware or software components for which a user interface is needed. Details of the user interface design should be documented in a separate user interface specification.>

4.2 Hardware Interfaces

<Describe the logical and physical characteristics of each interface between the software component and the hardware components of the system. This may include the supported device types, the nature of the data and control interactions between the software and the hardware, and communication protocols to be used.>

4.3 Software Interfaces

<Describe the connections between the software component and other specific software components (name and version), including databases, operating systems, tools, libraries, and integrated commercial components. Identify the data items or messages coming into the system and going out and describe the purpose of each. Describe the services needed and the nature of communications. Refer to documents that describe detailed application programming interface protocols. Identify data that will be shared across software components. If the data sharing mechanism must be implemented in a specific way (for example, use of a global data area in a multitasking operating system), specify this as an implementation constraint.>

4.4 Communications Interfaces

<Describe the requirements associated with any communications functions required by the component, including e-mail, web browser, network server communications protocols, electronic forms, and so on. Define any pertinent message formatting. Identify any communication standards that will be used, such as FTP or HTTP. Specify any communication security or encryption issues, data transfer rates, and synchronization mechanisms.>

5. Technical State Security

5.1 Security Environment

<Specify any requirements regarding security or privacy issues surrounding use of the component or protection of the data used or created by the component. Define any user identity authentication requirements. Refer to any external policies or regulations containing security issues that affect the component. Define any security or privacy certifications that must be satisfied.>
Appendix A: Glossary

<Define all the terms necessary to properly interpret the Technical State Review document, including acronyms and abbreviations.>
Appendix B: Analysis Models (optional)

<Optionally, include any pertinent analysis models, such as data flow diagrams, class diagrams, state-transition diagrams, or entity-relationship diagrams.>
Appendix C: Issues List

< This is a dynamic list of the open or unknown issues that remain to be resolved, including TBDs, pending decisions, information that is needed, conflicts awaiting resolution, and the like.>
Review/Approval Page

A signature on this page indicates that the signing party has reviewed and approves the contents of this Technical Review document.

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