![A close up of a sign

Description automatically generated]()

**{{cust\_name}}**

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About This UCS Audit Report

|  |  |
| --- | --- |
| Author | {{ author }} |
| Change Authority | Customer Experience, Cisco Systems, Inc. |
|  |  |

History

|  |  |  |  |
| --- | --- | --- | --- |
| Version No. | Issue Date | Status | Reason for Change |
| 1.0 | {{date\_of\_doc}} | Draft | Audit Recommendation |
|  |  |  |  |

Review

|  |  |  |
| --- | --- | --- |
| Version No. | Issue Date | Reviewer’s Name |
| 1.0 | {{date\_of\_doc}} |  |
|  |  |  |

# Introduction

## Preface

Cisco Customer Experience is performing a UCS Health Check for {{cust\_name}}. The health-check service consists of the following:

* Ensuring data center environmental conditions are adequate to support all Cisco Unified Computing System (UCS) domains.
* Event and current heath state review for all UCS domains.
* UCS configuration review, which is validated with Cisco Customer Experience best practices.

## Audience

This document is intended for use by {{cust\_name}} Team and Cisco Customer Experience teams.

## Scope

The scope of this document will cover the following for {{cust\_name}}'s domain:

* Hardware End of Life
* Port Capacity Details
* Compatible FNIC/ ENIC Drivers
* Service Profiles
* Configuration Best Practices
* Show-tech analysis
* UCS Faults and Alerts Recommendation

## Assumptions

This document is focused on the design specific to {{cust\_name}}’s requirements. The information in this document is based on the data collected through meetings, documentation, and other information provided by {{cust\_name}} team. Any Cisco hardware and / or software information in this document is based on current performance estimates and feature capabilities.

# Executive Summary

Cisco Customer Experience has been engaged by {{cust\_name}} team to perform a health check for UCS domains. The primary objective of the health check is to ensure that UCS is operationally sound and in alignment with Cisco best practices and recommendations.

## Project Scope

The scope of the UCS health check covers the following:

* Provides architectural and operational guidance based on current UCS best practices.
* Reviews the current health state of the {{cust\_name}}’s UCS environment.
* Serves as a go-forward strategy and **not** a detailed implementation plan.

## Domain Details

The following are the details of the domain that has been considered for the best practice and design recommendation report.

| **Domain Name** | **No. of Fabric Interconnects** | **No. of Chassis** | **Number of Servers** |
| --- | --- | --- | --- |
|  |  |  |  |
|  |  |  |  |

# Topology Diagram

|  |
| --- |
|  |

# Audit Exception Overview

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  |  |  |  |  |
| **Domain** | **Chassis** | **Fabric Interconnects** | **Service Profile** | **Servers** |

**Exception Summary**

|  |  |  |
| --- | --- | --- |
| |  | | --- | | **Insight Summary**  {{total\_image}} |  |  | | --- | | **End of Life Summary**  {{ldos\_img}} | |

|  |
| --- |
| **Show-Tech Summary**  {{bdb\_img}} |

|  |
| --- |
| **Fault Summary**  {{fault\_image}} |

|  |  |  |
| --- | --- | --- |
| |  | | --- | | **Service Profile**  {{sp\_image}} |  |  | | --- | | **BP Exception**  {{bp\_image}} | |

# Insight Summary report

|  |  |  |  |
| --- | --- | --- | --- |
| **Domain** | **Insight** | **Severity** | **Class** |
| {%tr for item in tbl\_contents6 %} | | | |
| {{ item.Domain }} | {{ item.Insight }} | {{ item.Severity }} | {{ item.Class }} |
| {%tr endfor %} | | | |

# End of Life report

Risk:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Type** | **Domain** | **Model** | **End of Sale** | **LDoS** | **End of RFA** | **EoL External** |
| {%tr for item in tbl\_contents4 %} | | | | | | |
| {{ item.Type }} | {{ item.domain }} | {{ item.Model }} | {{ item. EndOfSale }} | {{ item.LDoS }} | {{item. EndOfRFA}} | {{ item.EoLExternal }} |
| {%tr endfor %} | | | | | | |

# Port Capacity

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Domain** | **DN** | **Fabric ID** | **Model** | **Ports Available** |
| {%tr for item in tbl\_contents5 %} | | | | |
| {{ item.domain }} | {{ item.DN }} | {{ item.Fabric }} | {{ item.Model }} | {{ item.Ports\_Available }} |
| {%tr endfor %} | | | | |

# UCS Hardware and Software Compatibility

|  |
| --- |
| Compare the Recommended FNIC/ ENIC versions with the one given by the customer for each combination: ⁃ If the customer is running the recommended FNIC/ENIC versions, there is no action needed. ⁃ If the customer is running the FNIC ENIC which is lower than the recommended versions, then there is a need to upgrade to the latest versions. |

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **UCS ENIC/FNIC** | | | | | | |
|  | | | | | | |
| **Operating System** | | **Operating System Version** | | | **UCSM Version** | |
| {{ OS }} | | {{ OS\_Version }} | | | {{ UCSM }} | |
| **Domain** | **Server Model** | | **VIC** | **Recommended ENIC** | | **Recommended FNIC** |
| {%tr for item in tbl\_contents3 %} | | | | | | |
| {{item.Domain}} | {{ item.ServerModel }} | | {{ item.vic}} | {{ item.enic }} | | {{ item.fnic }} |
| {%tr endfor %} | | | | | | |
|  | | | | | | |

# UCS Best Practice Recommendation

## Detail Analysis – Action Required

This section contains a list of general best practices and their associated recommendation. Each table details a best practice – its description, recommendation and the corrective suggestions, if applicable.

**Best Practices Recommendation**

|  |  |  |
| --- | --- | --- |
| {%tr for item in tbl\_contents1 %} | | |
| **Domain** | **Observation** | **Risk** {{ item.Severity }} |
| {{ item.Domain }} | {{ item.Observation}} | |
| **Description:**  {{ item.Description }}  **Recommendation:**  {{ item.Recommendation}} | | |
|  | | |
| {%tr endfor %} | | |

# UCS Log Analysis

## Detail Analysis – Action Required

This section contains a list of logs and their associated recommendation. Each table details a Log – its description, recommendation, and evidence, if applicable.

|  |  |  |
| --- | --- | --- |
| {%tr for item in tbl\_contents %} | | |
| **Domain** | **Heading** | **Severity** {{ item.Severity }} |
| {{ item.Domain }} | {{ item.Heading }} | |
| **Description:**  {{ item.Description }}  **Recommendation:**  {{ item.Recommendation }}  **Evidence:**  {{ item.Evidence }} | | |
|  | | |
| {%tr endfor %} | | |

# UCS Fault Analysis

## Detail Analysis – Action Required

This section contains a list of Faults and their associated recommendation. Each table details a Fault Code – its description, and recommendation.

|  |  |  |  |
| --- | --- | --- | --- |
| {%tr for item in tbl\_contents2 %} | | | |
| **Domain** | **Fault Code** | **Severity** {{ item.Severity }} | |
| {{ item.domain }} | {{ item.Code }} | **TimeStamp** {{item.Timestamp}} | **Frequency** {{item.Frequency}} |
| **Description:**  {{ item.Description }}  **Recommendation:**  {{ item.Recommendation }} | | | |
|  | | | |
| {%tr endfor %} | | | |

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Document Acceptance

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| Title |  | Title |  |
| Company |  | Company |  |
| Signature |  | Signature |  |
| Date |  | Date |  |

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