Application LOC

Low Level Design

April 2022

|  |  |
| --- | --- |
| Application name | Application LOC |
| Business purpose | Order Configuration |
| Business criticality | High |
| Service Owner | Davide De Boni < davide.deboni@schindler.com > |
| Cost code | 120036050 |
| Supported by | Davide De Boni < davide.deboni@schindler.com >   Romano Rampazzo< romano.rampazzo@schindler.com > |

In this document text in Yellow color is to be considered as a placeholder (or sample data) and thus must be changed or removed as applicable.

In this document text in Grey color is to be considered as an explanation which information is expected in the relevant section and thus must removed before the final document release.

**Important note**: For pure workload migrations of servers, there is no need to complete this document; a simple server request for a new server in Azure created via ITSM request will suffice. You’ll get a readily installed server with the operating system of your choice, but the application re-installation and data transfer remains your duty (e.g. local IT / the application owner).

Gutha: we need to give an instruction what must be filled in in ITSM server request!

Version History

|  |  |  |  |
| --- | --- | --- | --- |
| **Version** | **Date** | **Changes / Approvals** | **Name** |
| 1.0 |  |  | Itay Peled |
|  |  |  |  |

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# Application Overview

## Scope and Design Objectives

This document details the Low-Level Design (LLD) for Application LOC and the migration steps necessary to move the application from its current location to Azure.

The following list provides the reader with the scope for this project and service.

* Assessment of Application LOC for migration to Azure

## General information

Please provide short business context here.

|  |  |
| --- | --- |
| **Attribute** | **Description** |
| Service Name | APPLICATION LOC |
| Service Description | Order Configuration |
| Number of users and their location | 20 users, 5 admins, Internal and external users; Europe, India, North and South America |
| Data classification (CIA) | Confidentiality – Internal Use Only  Integrity – Normal  Availability – Very Critical |
| Cost Center | 120036050 |
| KG | SHH |
| Service Owner | Davide De Boni < davide.deboni@schindler.com > |
| Technical Contact | Davide De Boni < davide.deboni@schindler.com >   Romano Rampazzo< romano.rampazzo@schindler.com > |

# Application Architecture Design

## High Level Design overview

Provide high level solution design overview here.

* Add a diagram with application components/servers
* Add it roles and interconnections
* Add shared infra services if neeed

Do not provide technical details in this section.

Provide high level solution design overview here.

There is no design document provided by AO.

* The application is a Web in Prod and Qual environment.
* The application is accessed Internal and external users.
* The Servers are in GDC Datacentres.

Below is the list of servers that are part of APPLICATION LOC Application.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sever Name | IP Address | Azure IP | Function | Environment | ITSM-Function |
| LOCLSR0021 | 10.10.115.5 | 10.37.40.243 | REMEDIATION | Test | APPLICATION LOC |
| LOCLSR0022 | 10.10.115.6 | 10.38.41.225 | REMEDIATION | Prod | APPLICATION LOC |

Below is the bifurcation based on environment & Tier

|  |  |  |  |
| --- | --- | --- | --- |
| **Environment** | **PROD** | **TEST** | **Total** |
| App | 0 | 0 | 0 |
| DB | 0 | 0 | 0 |
| WEB | 1 | 1 | 2 |
| Terminal Server | 0 | 0 | 0 |
| **Grand Total** | **1** | **1** | **2** |

## Low Level Design

Provide Low Level design description here. DO NOT add configuration settings here.

* Add LLD diagram if possible
* Add technical Azure infrastructure design details here
* What main Azure services are used
* How many tiers apllication has and what are they
* What are the main data flows and and how the data is exchanged
* Provide any application secific technical constrains and requirements

Graphical user interface, text, application

Description automatically generated

No technical document

## Azure infra components

Provide Azure resources top level configuration settings here.

* Regions
* Subscriptions
* Resource Groups

|  |  |  |
| --- | --- | --- |
| Description | PROD | TEST |
| Subscription | s-sis-eu-prod-01 | s-sis-eu-nonprod-01 |
| Azure Regions | EU North | EU North |
| Resource Group | rg-shh-prod-applicationloc-01 | rg-shh-test-applicationloc-01 |

### Compute services

List all virtual servers here

#### Virtual Servers

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Server Name | Data Centre | Operating System | RAM (GB) | CPU Cores | Disk Size (GB) |
| LOCLSR0021 | GDC | Red Hat Enterprise Linux Server 7.9 (Maipo) | 18 | 2 | 296 |
| LOCLSR0022 | GDC | Red Hat Enterprise Linux Server 7.9 (Maipo) | 18 | 4 | 296 |

Database services

List all DB services and/or DB instances running on SQL Servers/SQL managed instances or Azure SQL PaaS

#### DB Servers (MS SQL on IaaS)

Note: Application has Postgres DB, will be moved along with the server.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Server Name | Data Centre | Operating System | SQL Version | RAM (GB) | CPU Cores | Disk Size GB |
| NA | NA | NA | NA | NA | NA | NA |

**3.3.1.2 Hosts file IP/Hostname**

|  |
| --- |
| NA |

### 3.3.1.3 Storage Services and external fileshares

List all Azure Storage services instances used and external storage provider like NAS/NFS/iSCSI shares, etc.

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Purpose | Type / Tier | Reference ID |
| NA | NA | NA | NA |

Place output of shared filesystem here if df -hT consists of cifs/nfs mounts

Shape

Description automatically generated

Graphical user interface, text

Description automatically generated with medium confidence

### Networking and Connectivity

List Azure network services and/or FW configuratoion settings like FW rules

#### Azure Network Componets

|  |  |  |  |
| --- | --- | --- | --- |
| Component Name | PROD | NON-PROD | Reference ID |
| VNet | EU-PROD | EU-NONPROD |  |
| Subnet | sub-remediation-iaas-01  10.38.40.0/22 | sub-remediation-iaas-01  10.37.40.0/22 |  |

### Network Interface details

Place output for ifconfig -a here.

Text

Description automatically generated

#### Service Interfaces List / FW Rules

**Internet**

[**Please find the link to the FW Rules**](https://schindlerglobal.sharepoint.com/:x:/r/sites/SISCloudAdoption/Shared%20Documents/03%20Project%20Execution/06%20-%20Migration/GDC/GDC-MIG/Wave%20999/05%20Application%20LOC/02%20LLD/FwRules.xlsx?d=w78d7b556da2f4cba936a1bbece1f6b35&csf=1&web=1&e=3XHnKp)

|  |  |  |  |
| --- | --- | --- | --- |
| Servers | Internet Required | URL to be Whitelist | Remarks |
| All | No | NA | NA |

Note: Add the servers to the group **Proxy manager Linux server group**

### Azure Application Gateway / WAF / Azure FW

Test:

|  |  |
| --- | --- |
| Attribute | Value |
| Azure App Gateway Name | agw-prod-network-shhnag0004 |
| Backend Servers | 10.37.40.243 |
| Backend Ports | 80, 443, 8080 |
| Azure App Gateway Public Endpoint | lovi-test.schindler.com  kitstoreloc-test.schindler.com  webconloc-test.global.schindler.com  webconsao-test.inf.schindler.com  webconsec-test.inf.schindler.com  webconsse-test.inf.schindler.com  dmgrc-test.global.schindler.com  webconind-test.inf.schindler.com  webcontx2-test.global.schindler.comz |

**Prod:**

|  |  |
| --- | --- |
| Attribute | Value |
| Azure App Gateway Name | agw-prod-network-shhnag0004 |
| Backend Servers | 10.38.41.225 |
| Backend Ports | 80, 443, 8080 |
| Azure App Gateway Public Endpoint | Lovi.schindler.com  shhscpwebconp.global.schindler.com  webconsao.inf.schindler.com  webconsec.inf.schindler.com  webconsse.inf.schindler.com  webconind.inf.schindler.com  webcontx2.global.schindler.com |

### Certificates

|  |  |  |
| --- | --- | --- |
| **Internal URL** | **Issued to** | **Issuer** |
| shhscpwebconp.global.schindler.com  webconsao.inf.schindler.com  webconsec.inf.schindler.com  webconsse.inf.schindler.com  webconind.inf.schindler.com  webcontx2.global.schindler.com  lovi.schindler.com | shhscpwebconp.global.schindler.com | Schindler-Intermediate-CA-G02-01 |

|  |  |  |  |
| --- | --- | --- | --- |
| **External URL** |  | **Issued to** | **Issuer** |
|  |  |  |  |

For Test URLs, unable to access and no certificate details found.

### Shared Infrastructure Sevices

List Azure shared infrastructure services like backup, logging, monitoring, alerting, etc.

|  |  |  |  |
| --- | --- | --- | --- |
| Service Component Name | Service | Description | Reference ID |
| Identity | Active Directory Service |  |  |
| DNS | DNS Service |  |  |
| Monitoring | SCOM Monitoring |  |  |
| Backups | Azure Backup |  |  |
| SIEM |  |  |  |
| Networking |  |  |  |

## Requirements and Key Design Decisions

List of architecture Key Design Decisions (KDC) with relevant requirements is provided below:

|  |  |  |  |
| --- | --- | --- | --- |
| Ref. | Key Design Decision Area | Key Design Decision | Justification |
| 1 | Resilience & DR | Azure Locally Redundant Storage (LRS) will be used. | Requirement comes from data availability classification – Important. |
| 2 | Resilience & DR | Servers will be placed in Availability zone & Backup will also be available | In Case of Datacentre level failure, the other zone will be available & region level failure will be handled by restoring from Backup |
| 3 | Security/CMDB | Solution will use Azure tags for digital asset management. | ON 0-08100 standard requirement. |
| 4 | Connectivity | Solution will be securely published via internal FW/AppGateway/WAF | Azure LZ network design decision for internal exposed services. |
| 5 | Connectivity | Encryption for data in transit – TLS v.1.2 | ON 0-08100 standard requirements for data in transit over public networks. |
| 6 | Hosting Location | Azure Storage Account will be created in North Europe | Solution is deployed in the location closest to dependent Services |
| 7 | Hosting Type | Azure IaaS will be used | Aligned with requirements. |
| 8 | Hosting Type | Azure PaaS services will be used where possible. | Business requirement, LZ design decision. |
| 9 | Monitoring | All solution components must be connected to Azure monitoring services. | ON 0-08100 standard requirement. LZ networking design decision. |
| 10 | Access management | RBAC controlled access for admins and service owners. | The design is using standard LBE Azure infrastructure and patterns only. |
| 12 | Security | FW/WAF intrusion prevention capabilities like AV/IDS/IPS must be enabled. | ON 0-08100 standard requirement. LZ networking design decision. |
| 13 | Security | Azure Storage Encryption will be used for data at rest encryption. | ON 0-08100 standard requirement. Solution security requirement. |

# Licensing, Assumptions +and Depende ncies

## Assumptions, Issues & Dependencies

The following table provides the reader with an understanding of the **architecture items** only. Note. Project implementation and build RAID items should be captured in the project RAID log.

|  |  |
| --- | --- |
| Category | Description |
| Assumptions | NA |
| Issues | After the patch, Samba shares are not working. Planning to roll back to previous samba packages. |
| Dependencies | Zuken E3 CAD schematics designer. |
| Certificate | NA |

Place output of yum repolist here if applicable

## Service Life and Decommissioning

The following table provides the reader with an understanding of the solutions service life and any decommissioning required.

|  |  |
| --- | --- |
| Category | Description |
| Service Life | Service will be deployed on a permanent basis. Will be reviewed every 2 years. |
| Decommissioning | Decommission as per the standard Azure services lifecycle. |

## Application Software Components

The following table provides the reader with the major application software components and versions to be implemented as part of this solution.

|  |  |
| --- | --- |
| Software Component Name | Software Component Version |
| NA | **NA** |

## Licenses

The following table provides the reader with the licenses required for the infrastructure deployment.

|  |  |
| --- | --- |
| Software License | Subscription License Qty |
| Red Hat Enterprise Linux Server 7.9 (Maipo) | Azure PAYG / BYOL |

# Integration Architecture

## Interfaces List

The following table provides the reader with a view of the technical integration for the deployment.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Ref | Source | Broker System | Target | Batch (B) / Transactional (T) | Protocol / Port |
| 1 | NA | NA | NA | NA | NA |

## User connections

The following table provides the reader with a view of the technical integration for the deployment.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Ref | Source | Broker System | Target | Batch (B) / Transactional (T) | Protocol / Port |
|  | NA | NA | NA | NA | NA |

## Cloud to / from On-Prem Interfaces

The following table provides the reader with a view of the impact to the Schindler on-premises networks for the deployment if applicable.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Ref From 4.1 | Peak(s) or Schedule Time(s) and Days | Firewall Rule? | Max # Per Hour | Max Size | Average Per Hour | Average Size |
|  | NA | NA | NA | NA | NA | NA |

# Security

The following section provides the reader with a view of the security considerations taken into account for the design.

## Security considerations

|  |  |
| --- | --- |
| Category | Description |
| Physical Location Security Considerations | Service is hosted in Azure cloud. According to shared responsibility model Microsoft is responsible for provisioning physical security controls. |
| Data access & governance (Authorization) | * Users are authenticated by AD * New admin user access will be provided in scope of the standard Schindler service request |
| Directory Services & Authentication | * Service use Azure Active Directory to assign permissions to admin users |
| Privileged access accounts and service/API user accounts | NA |
| Server security, perimeter security & changes to Schindler firewalls required? | * Azure Firewall will be used * WAF and Azure App Gateway will be used at stage 2 to secure end-users’connections. * Azure Storage private endpoints will be used to route traffic via internal FW/WAF for additional security layer. * Direct access to Azure Storage public endpoints is disabled. |
| Legal & Regulatory Compliance | Swiz Law |
| Information Security Considerations (including safeguard of sensitive and personal data) | * Data protection controls must comply with Schindler ON 0-08100 Security Baseline. * The app is compliant to the Swiss Law |
| If there is a PaaS (not Schindler Azure/AWS PaaS) or SaaS provider involved in this solution, does the service provider meet targets specified in the CIA classification | No |
| Backup platform, type of backup & scheduling for servers and data | Service owner will maintain a backup copy of the files  GL 01.2 - VM Snapshot Backup Standard, long term |
| Patching schedule, service hours and maintenance windows | Maintenance Windows –  9 AM - 12 PM CET |
| Data archiving, cleansing & purging (life cycle management) | Service owner is responsible for data lifecycle management. |
| Data migration | Data will be migrated manually by copying files.  ASR will be leverage for VM Replication to target |
| Data and system audit & monitoring | All events will be monitored using Azure Log Analytics service.  This includes.   * Data changes auditing. * System access auditing. * Security monitoring. |

## 

## Azure Asset Management (tags)

Following tags must be assigned to azure resources created in scope of this service deployment:

|  |  |
| --- | --- |
| **Attribute** | **Description** |
| Service Name | APPLICATION LOC |
| Service Description | Order Configuration |
| Number of users and their location | 20 users, 5 admins, Internal and external users; Europe, India, North and South America |
| Data classification (CIA) | Confidentiality – Internal Use Only  Integrity – Normal  Availability – Very Critical |
| Cost Center | 120036050 |
| KG | SHH |
| Service Owner | Davide De Boni < davide.deboni@schindler.com > |
| Technical Contact | Davide De Boni < davide.deboni@schindler.com >   Romano Rampazzo< romano.rampazzo@schindler.com > |

|  |  |
| --- | --- |
| **RG** | **rg-shh-prod-applicationloc-01** |
| **applicationowner** | Davide De Boni < davide.deboni@schindler.com > |
| **costcenter** | 120036050 |
| **infrastructureservice** | Application LOC |
| **kg** | SHH |
| **serviceowner** | Davide De Boni < davide.deboni@schindler.com > |
| **technicalcontact** | Romano Rampazzo< romano.rampazzo@schindler.com > |

|  |  |
| --- | --- |
| **RG** | **rg-shh-test-applicationloc-01** |
| **applicationowner** | Davide De Boni < davide.deboni@schindler.com > |
| **costcenter** | 120036050 |
| **infrastructureservice** | Application LOC |
| **kg** | SHH |
| **serviceowner** | Davide De Boni < davide.deboni@schindler.com > |
| **technicalcontact** | Romano Rampazzo< romano.rampazzo@schindler.com > |

# Application migration planning

In the first chapter the business application’s setup is assessed. This includes scoping, initial planning, source server definition and description, including dependencies.

## On-premise application design

Graphical user interface, text, application

Description automatically generated

### Migration schedule / timeline

|  |  |
| --- | --- |
| Assessment completion deadline | 9th June 2022 |
| Planning and Design completion deadline | 14th June 2022 |
| Pre-Migration Activities completion deadline | NA |
| Migration Execution completion deadline | NA |
| Post Migration activities completion deadline | NA |

### On-premise servers used / required by the application

|  |  |  |  |
| --- | --- | --- | --- |
| **Server name** | **Shared server (yes/no)** | **Migration method** | **Server function/role** |
| NA | NA | NA | NA |

### Components linked to the application

## Lift & shift (ASR) migration

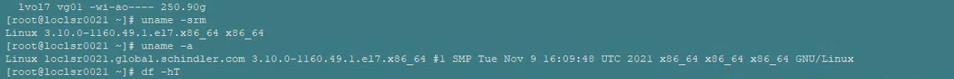
Servers will be rehosted to Azure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sever Name | IP Address | Function | Environment | Migration Method |
| LOCLSR0021 | 10.10.115.5 | REMEDIATION | Test | Rehost |
| LOCLSR0022 | 10.10.115.6 | REMEDIATION | Prod | Rehost |

### Release and Kernel version

Place the output of cat /etc/\*release and uname -srm here

3.10.0-1160.49.1.e17.x86\_64

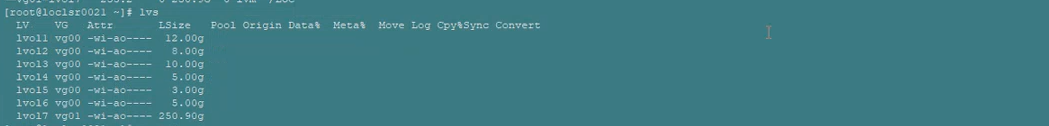


### Filesystem details

Place the output of df -hT and lvs here

A picture containing graphical user interface

Description automatically generated



Note: If thin provision, then the Attribute section will be denoted with a 't'. Thin provisioned logical volumes are not supported on Azure.

For each server to be lift & shifted in this migration  
Please refer the [link](https://schindlerglobal.sharepoint.com/:x:/r/sites/SISCloudAdoption/Shared%20Documents/03%20Project%20Execution/06%20-%20Migration/GDC/LTI/01-ServerList/GDC-AzureAdoption-MigrationDetailList_LTI.xlsx?d=w6a6199c213a742a4a34faf8c88c67459&csf=1&web=1&e=xfGE30) for server details & detailed inventory for Source & Target information

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sever Name | IP Address | Function | Environment | Migration Method |
| LOCLSR0021 | 10.10.115.5 | REMEDIATION | Qual | Rehost |
| LOCLSR0022 | 10.10.115.6 | REMEDIATION | Prod | Rehost |

## Database (DMS) migration

Source server/database specification

Servers will be rehosted to Azure using ASR  
Please refer the [**link**](https://schindlerglobal.sharepoint.com/:x:/r/sites/SISCloudAdoption/Shared%20Documents/03%20Project%20Execution/06%20-%20Migration/GDC/LTI/01-ServerList/GDC-AzureAdoption-MigrationDetailList_LTI.xlsx?d=w6a6199c213a742a4a34faf8c88c67459&csf=1&web=1&e=xfGE30) for server details & detailed inventory for Source & Target information

Note: Application has Postgres DB, will be moved along with the server.

## Share Migration

Copy the below table **for each server or disc storage** to be migrated in this migration!

|  |  |
| --- | --- |
| **Source server** | **Configuration** |
| Host name | NA |
| Source IP address | NA |
| Domain | NA |
| Server or storage size | NA |
| Server OS | NA |

## Internal application dependencies

List and describe all dependencies internal to the application. In case the business application consists of multiple servers this list must also include all dependencies between these servers (related to the same application).

|  |  |
| --- | --- |
| **Dependency** | **Detailed Description** |
| Zuken E3 CAD | connection b/n the application and Zuken E3 CAD schematics designer should be present. |

## External application dependencies or application interfaces

List and describe all dependencies external to the application. This includes all cases where the business application provides an interface towards other systems.

|  |  |
| --- | --- |
| **Interface** | **Detailed Description** |
| NA | NA |

## DNS names / Published websites / Third party connections

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Internal DNS names published** | **Test**   |  | | --- | | lovi-test.schindler.com | | kitstoreloc-test.schindler.com | | webconloc-test.global.schindler.com | | webconsao-test.inf.schindler.com | | webconsec-test.inf.schindler.com | | webconsse-test.inf.schindler.com | | loc-cover-test.global.schindler.com | | dmgrc-test.global.schindler.com | | webconind-test.inf.schindler.com | | webcontx2-test.global.schindler.com |     **PROD**   |  | | --- | | Lovi.schindler.com  kitstoreloc.schindler.com | | shhscpwebcont.global.schindler.com | | webconsao.inf.schindler.com | | webconsec.inf.schindler.com | | webconsse.inf.schindler.com | | webconind.inf.schindler.com | | webcontx2.global.schindler.com | |
| **External DNS names** |  |
| **SMTP relay usage** | Smtp.eu.schindler.com |

## 7.8 DMZ / Firewall rules

In case one or multiple of your servers involved in this migration are sitting in a DMZ or have websites published on them please indicate this information in below table.

|  |  |
| --- | --- |
| List of current firewall rules if server is in a DMZ or generally behind firewall(s) | NA |

## Performance / response times

In case the Business Application has hard requirements with regards to application performance and or response times and these are critical to the end user’s acceptance of the cloud migration project, these performance / response time measurements must be made **prior** to the migration of the application and properly documented such that a valid baseline is created for later comparison. Please do note that **NO** performance complaints will be accepted post-migration in case no baseline has been provided prior to migration.

<Please include here any response time / performance requirements and measurements you have made **prior** to the application migration>

# Configuration of target situation

For each server to be lift & shifted in this migration  
Please refer the [**link**](https://schindlerglobal.sharepoint.com/:x:/r/sites/SISCloudAdoption/Shared%20Documents/03%20Project%20Execution/06%20-%20Migration/GDC/LTI/01-ServerList/GDC-AzureAdoption-MigrationDetailList_LTI.xlsx?d=w6a6199c213a742a4a34faf8c88c67459&csf=1&web=1&e=xfGE30) for server details & detailed inventory for Source & Target information

## Database (DMS) migration

Target server/database specification

Note: Application has Postgres DB, will be moved along with the server.

## Share Migration

Copy the below table **for each server or disc storage** to be migrated in this migration!

|  |  |
| --- | --- |
| **Source server** | **Configuration** |
| Host name | NA |
| Source IP address | NA |
| Domain | NA |
| Server or storage size | NA |
| Server OS | NA |

# Migration

The third chapter describes the migration steps for the application server(s). This includes specific pre-migration activities, test case description, steps for conducting the actual migration and finally specific post migration activities.

## Move Group

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sever Name | IP Address | Function | Environment | Migration Method | Wave | Move Group |
| LOCLSR0021 | 10.10.115.5 | REMEDIATION | Qual | Rehost | Wave999 |  |
| LOCLSR0022 | 10.10.115.6 | REMEDIATION | Prod | Rehost | Wave999 |  |

## Target Architecture

The Servers will be placed in Prod & Non-Prod Subscription based on the Environment & Based on the Tier the Servers will be placed into the respective Subnet. Web Servers will be placed in the DMZ Zone as per the Source Architecture

Graphical user interface, application

Description automatically generated

## Dependency Map

Test - LOCLSR0021

Chart

Description automatically generated with low confidence

Prod – LOCLSR0022

A picture containing diagram

Description automatically generated

### PROD Environment

Graphical user interface, text, application

Description automatically generated

## Pre-migration activities

Explain in detail all required pre-migration activities to be completed prior to the migration. If certain steps are time sensitive, please do indicate this!

|  |  |
| --- | --- |
| **Application stop** | Manual – Service Stop by the Application Owners |
| **Application start** | Manual – Service Start by the Application Owners |
| **Block user traffic** | Needs to be blocked |
| **Boot order** | Web, DB |

## Test cases

Detailed description of the test cases that need to be completed after the failover to Azure but during the migration slot. Please note that the test case execution must be done by local IT and or the application responsible.

**To be detailed by application team**

|  |  |
| --- | --- |
| **Test case name** | **Detailed test case description** |
| NA | NA |

Overall test coordination lies with the application owner, the migration Team will NOT organize / orchestrate / conduct testing during the outage window!

|  |  |
| --- | --- |
| Overall test effort estimation during outage | NA |
| Name of test users and their function | Davide De Boni < davide.deboni@schindler.com >   Romano Rampazzo< romano.rampazzo@schindler.com > |
| Test acceptance sign off to be given by | Davide De Boni < davide.deboni@schindler.com >   Romano Rampazzo< romano.rampazzo@schindler.com > |
| Planned test case execution window | NA |

## Post-migration activities

Explain in detail all required post-migration activities to be completed after the migration.

|  |  |
| --- | --- |
| **DNS** | DNS listed in [Section 7.7](bookmark://_DNS_names_/) needs to be changed to point to New IP in Azure |
| **Load Balancer** | NA |
| **DB Configuration** | Postgress DB  Applications need to be configured to connect to the New IP of the DB Server if it is configured with an IP Address |
| **Firewall** | Firewall changes to be performed as per [Section 3.4](bookmark://_Service_Interfaces_List) |
| **Monitoring** | NA |
| **Backup** | Configure Backup as per [Section 6.1](bookmark://_Security_considerations) |

## Continue or fallback decision

After test case execution, the final go / no-go decision must be taken. Please include a detailed description of the specific conditions in which a rollback / fallback will be conducted.

|  |  |
| --- | --- |
| Decision taker for approved fallback to on premise |  |
| Fall back to on premise servers |  |
| Individuals to be informed of fallback decision |  |

## Reconfiguration after testing sign off

Please list in detail all steps that need to be executed after the test cases have been executed and sign off for has been provided.