| Cloud Migration Solutions & Consulting Services | Effectual |
| --- |
| Enterprise IT Architecture Design  Project Name ( Fonteyn Vakantiepark) |
| | Xxxx | 6/29/20 | Project 1 | | --- | --- | --- | |

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# Document History

| **Version** | **Date** | **Status** | **Author** | **Description** | **Remarks** |
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# Terms, Abbreviations

|  |  |
| --- | --- |
| ADD | Architecture Design Document |

# Introduction

## Project Back Ground Information

Fonteyn Holiday Parks is a traditional Dutch family business. 50 years ago, Frits Fonteyn started a small campsite in the south of the country. Over the years, he and his brothers have built small holiday homes on his land. Over the last 20 years, the family has bought several pieces of land and built small holiday parks on them. Ten years ago they also started to build a number of parks in Belgium and Germany and started to take over some existing parks.

Day-to-day management is now in the hands of his son and daughter.

Map

Description automatically generated

*Figure 1: Fonteyn Vakantieparken*

## Current Situation….

Fonteyn Holiday Parks has now grown into an international organization with a number of departments. In total, the group has 100 salaried employees, but during the high season, more than 300 people work for the organization. This varies from cleaning, leisure, and restaurant staff to non-strategic positions such as lawyers and IT staff. They are hired or they work together with business partners who provide these services.

Diagram

Description automatically generated

*Figure 2: Fonteyn Vakantieparken organisation*

## Design Scope

It is important in any design project that network designers carefully analyze and evaluate the scope of the design before starting to gather information and plan network design. Therefore, it is critical to determine whether the design task is for a green field(new) network or for a current production network (if the network already exists, the design tasks can vary such as optimization, expansion, integration with other external networks, and so on). It is also vital to determine whether the design spans a single network module or multiple modules. In other words, the predetermination of the design scope can influence the type of information required to be gathered, in addition to the time to produce the design. Table 1-1 shows an example of how identifying the design scope can help network designers determine the areas and functions a certain design must emphasize and address. As a result, the scope of the information to be obtained will more be focused on these areas.

| **Design scope** | **Description** |
| --- | --- |
| Enterprise park network and remote sites | Rollout of IP telephony across the enterprise, which may  require a redesign of virtual LANs (VLANs), quality of service  (QoS), and so on across the LAN, WAN, data center (DC),  and remote-access edge |
|  | A user shall be able to xxxxxxxxx |

*Table 1. Design Scope*

# Requirements

## Strategy

The organization has a current state and future state strategy. The strategy of the organization is set yearly by the board of directors. New technologies, trends, shifts in interest of market and client, demographics and sociologic changes all have impact on and influence the new strategy.

For the coming 3 three years the organization has the following strategy:

<strategy map>

For the past three year, the organization has the following strategy:

<strategy map>

The following parts of the strategy were not realized:

<list issues>

## Business Stories/Scenarios

Business personas,

Business stories/scenarios:

stories/scenarios mapping

| **Requirement ID** | **Description** | **User story** |
| --- | --- | --- |
| **UR**\_001 | A user shall be able to xxxxxx | US\_001 |
| **UR**\_002 | A user shall be able to xxxxxxxxx | US\_001 |

*Table 2. Business Stories*

## Functional Requirements

| **Functional Requirement ID** | **Description** | **User story /UR** |
| --- | --- | --- |
| **FR**\_001 | The | US\_001/UR\_001 |
| **FR**\_002 | The system must be able to execute | US\_001/UR\_001 |
| **FR**\_003 | The system must be able to | US\_001/UR\_003 |
| **FR**\_004 | The system must be able | US\_001/UR\_003  US\_002/ |
| **FR**\_005 | The system must be able to |  |
| **FR**\_006 | The system must be able to | US\_001/UR\_002 |
| **FR**\_007 | The system must be able to control , |  |
| **FR**\_008 |  |  |
| **FR**\_009 |  |  |
| **FR**\_010 |  | US\_001/UR\_002 |
| **FR**\_011 |  |  |
| **FR**\_012 |  |  |
| **FR**\_013 |  | US\_001/UR\_001 |
| **FR**\_014 |  |  |
| **FR**\_015 |  |  |
| **FR**\_016 |  |  |
| **FR**\_017 |  | US\_004/ |
| **FR**\_018 |  |  |
| **FR**\_019 |  |  |
| **FR**\_020 |  | US\_001/UR\_001 |

*Table 3. Functional Technology*

<Identify all software and hardware technologies that are to be used in the solution

**

*Figure 3: some benefits of cloud solutions*

## Portability

*<Specify requirements and guidance to support use of components that can be easily ported to other host hardware, operating systems, and software tools to avoid an architecture tied to specific hardware, operating systems, or tools.*

## Capacity

*<Provide architectural guidance and solution architecture attributes required to meet capacity , including storage and network capacity. Describe solution architecture attributes to address database and data storage such as specification for X GB of storage for X volume of specified records.*

## Performance

*<Describe requirements necessary to meet solution performance such as the expected responsiveness of critical system functions or timeframe benchmarks for system functions.*

## Availability and Reliability

*<Specify the requirements necessary to meet solution for system availability and reliability, such as specific business hours the system must be available to its users. Also use this section to provide requirements necessary to meet system reliability , such as specific system redundancy and recovery from failure timeframes.*

## Scalability

*<Describe the requirements necessary to accommodate forecasted growth in terms of system function transactions and volume indicated by the solution .*

## Security

*<Describe the necessary to accommodate security of the solutions>*

## System Management, Monitoring, and Administration

*<Provide requirements required to meet operational and administration as indicated by the solution , such as reporting and logging.*

## Non-functional requirements

| **Non-functional Requirement ID** | **Description** | **User story /UR** |
| --- | --- | --- |
| **NR**\_001 | The system clearly indicates | US\_001/UC\_002 |
| **NR**\_002 | The system clearly indicates | US\_001/UC\_002 |
| **NR**\_004 | The predefined washing programs are clearly visible and easily selectable | US\_001/UR\_001 |

*Table 4. Non-functional*

# Architecture Design

## Network

## Application

## Data

## Security

# Recommendations and conclusion (to be completed)

# References (to be extended)

1. *Visual Paradigm Online* <https://online.visual-paradigm.com/>