ITopiaLogo

**Implementation Plan**

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**Project:** VIRT Team 6

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**Version:** 1.0

**Status:** Final

**Date:** 11 January 2015

**ITopia is subsidiary of the Hogeschool van Amsterdam**

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# Introduction

## Purpose

The purpose of this document is to give Plaintech UK a clear overview of how the implementation of the new virtualization platform will progress. There will be an explanation about which approaches there are and what the outcomes and goals will be.

## Additional information

For more information about the costs, requirements and technical information of the system and the entire project, you can consult our Project Initiation Document and Technical Design document. For information about the system installation, you can read our System Installation manual. All deliverables are available online at our GitHub for Plaintech UK.

# 2. Outcomes and goals

This chapter will summarize the end goal for the implementation plan.

ITopia has agreed in the PID that they should deliver a proof of concept for the virtualization platform with the corresponding documents that were request in the Request for Proposal (RfP)

The end goal of the implementation is that it should be flawless, the physical servers should be placed in the datacenter with no problems and with the technical staff having no issues working with the new platform as they have acquired knowledge during the implementation period and of course the familiar software and hardware in use.

After the implementation old and new customers will have access to a control panel. The control panel will be managed trough a GUI on the website that we made. New customers will be able to order a hosting service trough Plaintech's website, they can either buy a pre-made pack or compose their own packet with choice from their own desire amount of: RAM, HDD space and operating system(s).

# Approach

## Description of Implementation

### Implementation Approaches

There are several ways to implement a new product. Every approach has it’s own advantages and disadvantages. In this chapter we will discuss about the several methods that could be used to implement our new platform that ITopia developed for Plaintech UK

There are 3 approaches to choose from:

* Big bang approach
* Parallel approach
* Phased approach

### Big bang approach

The big bang approach is basically the immediate replacement from Plaintech’s current situation to the new software and hardware solution developed by us. Choosing for this approach would mean that the employees and plaintech wouldn’t get enough time to get used to the new system. This approach has no advantages

**Disadvantages**

* Difficult to debug
* User does not see the product until very late in the development stages.

### Parallel approach

With this approach you will still be running the old systems and the new systems at the same time. This approach allows us to have enough time to implement the new system that slowly replaces the old one. If the organization is satisfied with the product, the old one gets removed and the new system will be the primary system in use by the organization.

**Advantages**

* 2 Systems running at the same time means there will be no data loss if one of the systems fail.
* There will be less disruption
* If the employees can’t figure out the new system yet, they can always work with the old one.

**Disadvantages**

* Expensive, because you are running two systems at the same time.
* There is no definitive date when the switch will take place.
* Training the employees might be difficult because they will be working with two systems at the same time.

### Phased approach

The phased approach is a method for implementing or migrating in different stages. This means that a part of the implementation will be done in a different subsequent time slot. That means all of Plaintech will be a part of the implementation process from the beginning till the end of the project. You will be transferring your current system to your new and desired system in stages.

**Advantages**

* There is time available for further adjustments of the system between the phases.
* The employees have more time to slowly adapt to the new system
* There is more time to adapt and adjust if there are any problems with the soft- and hardware.

**Disadvantages**

* The project will take more time.
* The system delivery milestones could be unclear for both parties.
* A fall back would be difficult.
* Training the employees will be difficult because they will be working with two systems, just like with the parallel approach.

## Implementation schedule

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Tasks | Period | Start date | Deadline | Time Frame | Responsible |
|  | Purchasing Hardware | 1 | 6 January | 20 January | 14 days | Plaintech |
|  | Installing en setting up hardware | 2 | 21 January | 4 February | 14 days | Plaintech |
|  | Purchasing Licenses | 3 | 5 February | 12 February | 7 days | Plaintech |
|  | Software Installation | 4 | 13 February | 20 February | 7 days | ITopia |
|  | Training Staff | 5 | 21 February | 21 March | 28 days | ITopia |

