Technology Evaluation for the New Site Rollout

Report by <Insert name here>

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Login system Evaluation

# Part 1 – Login Server Analysis

## Option 1 – On premise server

### 1.1 Overview

<Briefly describe what is required to create a physical server on premise to process logins>

### 1.2 Features and functions

<Describe the feature and functions that can be offered by installing Windows Server 2019 on a server on premise. These may be above and beyond just processing logins>

### 1.3 Advantages of using a server on premise

<Many people choose to use an on premise server. Describe in some depth the advantages of using an on premise server>

### 1.4 Disadvantages of using an on premise server

<Many businesses prefer not to use an on premise server. Describe in depth the disadvantages of using an on premise server>

### 1.5 Organisational alignment

<Look at the strategic plan, at the “Vision Statement”, “Mission Statement” and “Core Values”. Describe how (or if) using an on premise server will align with these goals>

### 1.6 Business impacts

<Look at the CITEMS – Existing Network document. Describe the impact on the existing network and current business practices if the domain controller is replaced with a new on premise one. How will it impact the current network? What impact might it have when they add new sites?>

## Option 2 – Cloud based server

### 2.1 Overview

<Briefly describe what is required to create a server in the cloud to process logins>

### 2.2 Features and functions

<Describe the feature and functions that can be offered by using either Azure or AWS to process logins. These may be above and beyond just processing logins, such as adding Office 365>

### 2.3 Advantages of using a server in the cloud

<Most business now are choosing a cloud based solution. Describe in some depth the advantages of using a cloud server>

### 2.4 Disadvantages of using a server in the cloud

<Some businesses prefer not to use a cloud solution. Describe in depth the disadvantages of using a cloud based server>

### 2.5 Organisational alignment

<Look at the strategic plan, at the “Vision Statement”, “Mission Statement” and “Core Values”. Describe how (or if) using a cloud server will align with these goals>

### 2.6 Business impacts

<Look at the CITEMS – Existing Network document. Describe the impact on the existing network and current business practices if the domain controller is replaced with a cloud solution. How will it impact the current network? What impact might it have when they add new sites?>

### 2.7 Feedback

<Obtain feedback regarding your solution from your lecturer. Make a note below of your feedback, and update your report based on the feedback. Updates to the report should be highlighted to demonstrate the report was updated>

**Feedback**

|  |
| --- |
|  |

# Part 2 – WAN/Internet Analysis

## Option 1 – Gigabit NBN

### 1.1 Overview

<Briefly describe what is required to provide gigabit NBN to the business>

### 1.2 Features and functions

<Describe the feature and functions that can be offered by installing gigabit NBN to the business. Include in your description any guaranteed uptime or speeds that can be offered>

### 1.3 Advantages of using gigabit NBN

<Gigabit NBN is an expensive undertaking. Describe in some depth the advantages of using gigabit NBN>

### 1.4 Disadvantages of using gigabit NBN

<Describe in depth the disadvantages of using gigabit NBN>

### 1.5 Organisational alignment

<Look at the strategic plan, at the “Vision Statement”, “Mission Statement” and “Core Values”. Describe how (or if) using gigabit NBN will align with these goals>

### 1.6 Business impacts

<Look at the CITEMS – Existing Network document. Describe the impact on the existing network and current business practices if the existing 50/20 NBN is replaced with gigabit NBN. How will it impact the current network? What impact might it have when they add new sites?>

## Option 2 – Gigabit 5G

### 2.1 Overview

<Briefly describe what is required to provide 5G to the business>

### 2.2 Features and functions

<Describe the feature and functions that can be offered by installing 5G to the business. Include in your description any guaranteed uptime or speeds that can be offered>

### 2.3 Advantages of using 5G

<5G is currently not a common option for business. Describe in some depth the advantages of using 5G>

### 2.4 Disadvantages of using 5G

<Describe in depth the disadvantages of using 5G>

### 2.5 Organisational alignment

<Look at the strategic plan, at the “Vision Statement”, “Mission Statement” and “Core Values”. Describe how (or if) using 5G will align with these goals>

### 2.6 Business impacts

<Look at the CITEMS – Existing Network document. Describe the impact on the existing network and current business practices if the existing 50/20 NBN is replaced with 5G. How will it impact the current network? What impact might it have when they add new sites?>

### 2.7 Feedback

<Obtain feedback regarding your solution from your lecturer. Make a note below of your feedback, and update your report based on the feedback. Updates to the report should be highlighted to demonstrate the report was updated>

**Feedback**

|  |
| --- |
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# Part 3 – Develop strategies to prepare for emerging technologies and practices

## 3.1 Stakeholders required for implementation

<List below the stakeholders that will be involved in the implementation of cloud and gigabit NBN. Describe who they are, and what role they will have, and any impact on the role.>

|  |  |  |
| --- | --- | --- |
| Stakeholder | Role in the project | How will the role be impacted? |
| Project sponsor |  |  |
| Implementer (you) |  |  |
| Support desk staff |  |  |

## 3.2 How will our organisation be impacted by the new technology?

<For each of the new technologies you will implement, describe 2 potential issues or impacts it will have on the business, and then processes or procedures that can be put in place to minimise the disruption?

**Cloud server**

|  |  |
| --- | --- |
| Issue or impact | Strategy to minimise problem |
|  |  |
|  |  |

**Gigabit NBN**

|  |  |
| --- | --- |
| Issue or impact | Strategy to minimise problem |
|  |  |
|  |  |

## 

## 3.3 Implementation Strategy

<Assume the cloud migration and Gigabit NBN will be implemented over a 12 month period. Describe below:

* The steps that will be done at particular times (e.g. order Internet plan)
* Any changes in practices (e.g. training on new systems)
* Any special organisational response required (e.g. extra help desk staff to assist with issues, after hours work)

Not every step will have one of the above, but each should exist at least once>

|  |  |  |  |
| --- | --- | --- | --- |
| Date | Task(s) for this month | Changes to practices | Organisational response to changes |
| January (start of project) |  |  |  |
| February |  |  |  |
| March |  |  |  |
| April |  |  |  |
| May |  |  |  |
| June |  |  |  |
| July |  |  |  |
| August |  |  |  |
| September |  |  |  |
| October |  |  |  |
| November |  |  |  |
| December (end of project) |  |  |  |

### 3.4 Feedback

<Obtain feedback regarding your strategy from your lecturer. Make a note below of your feedback, and update your report based on the feedback. Updates to the report should be highlighted to demonstrate the report was updated>

**Feedback**

|  |
| --- |
|  |