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| Lecturer: | John O’Raw |
| Report Title: | Lab Report 1 |
| Submit to: | Blackboard in PDF format only |
| Date Submitted: |  |

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| Student Number: | L00086023 |
| Programme of Study: | Post Graduate Diploma in Cloud Technologies (2021/22) |
| Module: | Private Cloud Technologies |

Please refer to the Institute’s Quality Assurance Handbook, Version 3.0, September 2018

1. Practical work, forming part of the CA of a module, will only be assessed if the student has attended the relevant practical classes.
2. CA work must be completed within the schedules and specifications (specified in the CA brief). Students who submit CA late may forfeit some or all the marks for that work.
   1. The total marks available for an assessment be reduced by 15% for work up to one week late; i.e. a grade of 50% would become (50\*0.85) = 42.5%
   2. The total marks available be reduced by 30% for work up to two weeks late i.e. a grade of 60% would become (60\*0.7) 42%
   3. Assessment work received more than two weeks late should receive a mark of zero.

Work is deemed late when an unauthorised missing of a deadline has occurred.

1. CA must be the student’s own work, refer to Plagiarism Policy, in section 5.7 of the QA manual.

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# Description

A narrative introducing and describing the work documented in this report. This should be worded like an abstract in a conference paper and serves the same purpose. An abstract is usually ≤ 300 words.

# Figure 5Aims

A short narrative followed by a numbered list of the individual aims which this report intends to address, as full sentences. Do not use bullet points, number your aims.

1. To verify that the learner’s desktop computer has the minimum hardware requirements necessary to run Hyper-V virtualization software.
2. To enable Hyper-V on learner’s machine.

# Method

1. The Command Prompt was opened (Administrator mode) and as per lecturer note/instructions the **systeminfo.exe** command was run (Figure 1)
2. The diskpart and list disk commands were run in the Command Prompt window as per lecture notes/instructions (Figure 2)
3. The **dfrgui** command was run in the Command Prompt window as per lecturer notes/instructions (Figure 3)
4. The Windows features UI was opened, and the Hyper-V Management Tools and Hyper-V Platform options were selected (Figure 4). The computer was then restarted to enable these features to become operational.
5. After restarting the computer, it was verified that Hyper- V was operational on the machine by searching for it from the Start menu (Figure 5)

Briefly introduce the section, state what equipment/systems you used for the work and the overall duration.

This section should contain the sequential steps which are required to carry out each of the tasks required to meet the aims. Some technical work is procedural in nature, this can be summarised to a reference to a best practice or formal procedure, but such a summarization must be fully referenced. Some technical work is investigational, and you may be experimenting to find the best steps. In this case, you need to clearly identify all the steps taken and the rationale. If method requires more than one diagram per page, these diagrams should be individually labelled, be included in appendix A, and referenced from here.

The method section of a report should allow a peer to recreate the work entirely.

The Lecturers noted were reviewed and based on these the following manufacturer’s best practices were identified.

# Results and Testing

Briefly introduce the section and define the tests which are performed.

The results of the work must be presented here in an appropriate form. Any filtering or removal of data must be declared and explained. If a system is being created, the test procedure and result must be given. If many tables or diagrams are required, these diagrams should be individually labelled, included in appendix B, and referenced from here.

The results/testing section of a report should allow a peer to replicate and verify the results obtained.

Number every figure or table. Do not include any figure or table which you do not discuss.

1. Result 1
2. Result 2
3. Result 3
4. Result 4

# Conclusions

It should be confirmed if the aims have been met, based on the results or testing. Evidence of independent research should be provided and cited from the text. The conclusion should show an understanding of why the work was significant. Most marks go for the conclusion, this section should be substantial.

The Conclusions need to refer to the Aims

Demonstrate independent learning and research

# References

Any external research referenced should be documented here, in an accepted format. The Institute standard is Harvard, I prefer IEEE referencing for short papers and reports. Either is acceptable but be consistent.

# Appendices

Each The appendix will contain numbered and labelled diagrams and tables. You must cite any figure or table from the text of the report.

Text

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Figure 1 Hardware details of Learners desktop computer

Text

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Figure 2 Available disks

Graphical user interface, text, application

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Figure 3 System discs

Graphical user interface, text, application

Description automatically generated

Figure 4Hyper-V and Hyper-V Platform options selected.

Graphical user interface, text, application

Description automatically generated

Figure 5 Hyper-V UI