

DEAKIN UNIVERSITY

APPLIED SOFTWARE ENGINEERING

ONTRACK SUBMISSION

Introduction to the Cloud

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Outcome	Weight
ULO1	◆◆◆◆◆
ULO2	◆◆◆◆◆
ULO3	◆◆◆◆◆
ULO4	◆◆◆◆◆

Good

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SIT725 – Applied Software Engineering

Task 7.1P – Cloud Computing

Cloud computing delivers applications through internet services while providing datacenter-based hardware and software infrastructure. The “XaaS” (Everything as a Service) model provides three main advantages through web browser/API accessibility and no capital expenses and pay-as-you-go pricing. The cloud reference model consists of four distinct layers which include IaaS, PaaS, SaaS and FaaS. Cloud platforms simplify development work for developers more effectively than traditional development methods. The two essential concepts for system performance are availability which uses uptime percentage measurement with "five 9s" representing 99.999% and scalability which enables vertical and horizontal expansion to manage web application demand fluctuations.