
Democratising Research Compute & Storage

eResearch Australasia 2019

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Structure of the Talk

Section	Presenter	Schedule
Storage Services	Ajay Radhakrishnan	5-6 minutes
Compute Services	James Buzzard	5-6 minutes
Questions		3-5 minutes



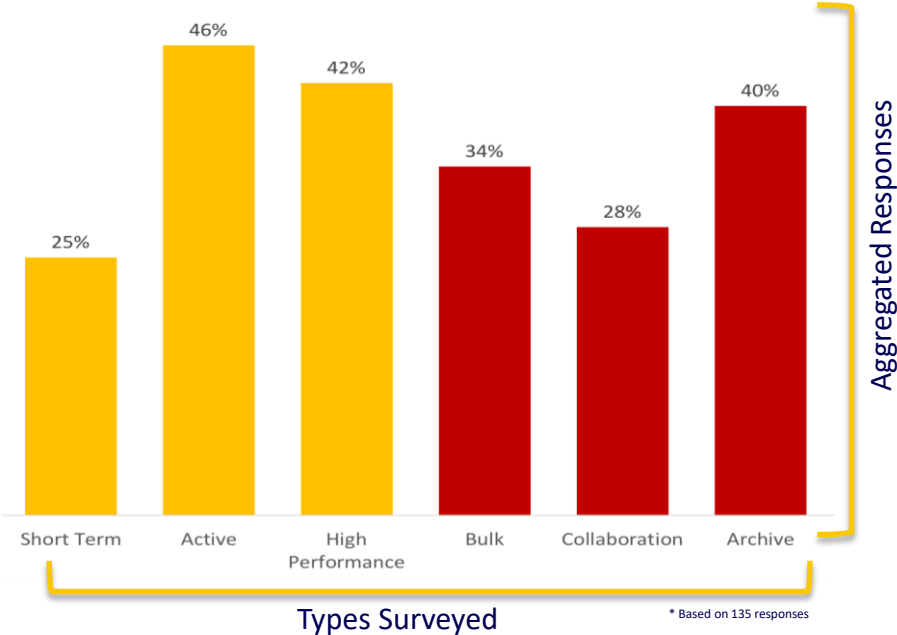
Storage Services

For Research Capability

Our Internal Survey Results – Types of Storage



Survey Results



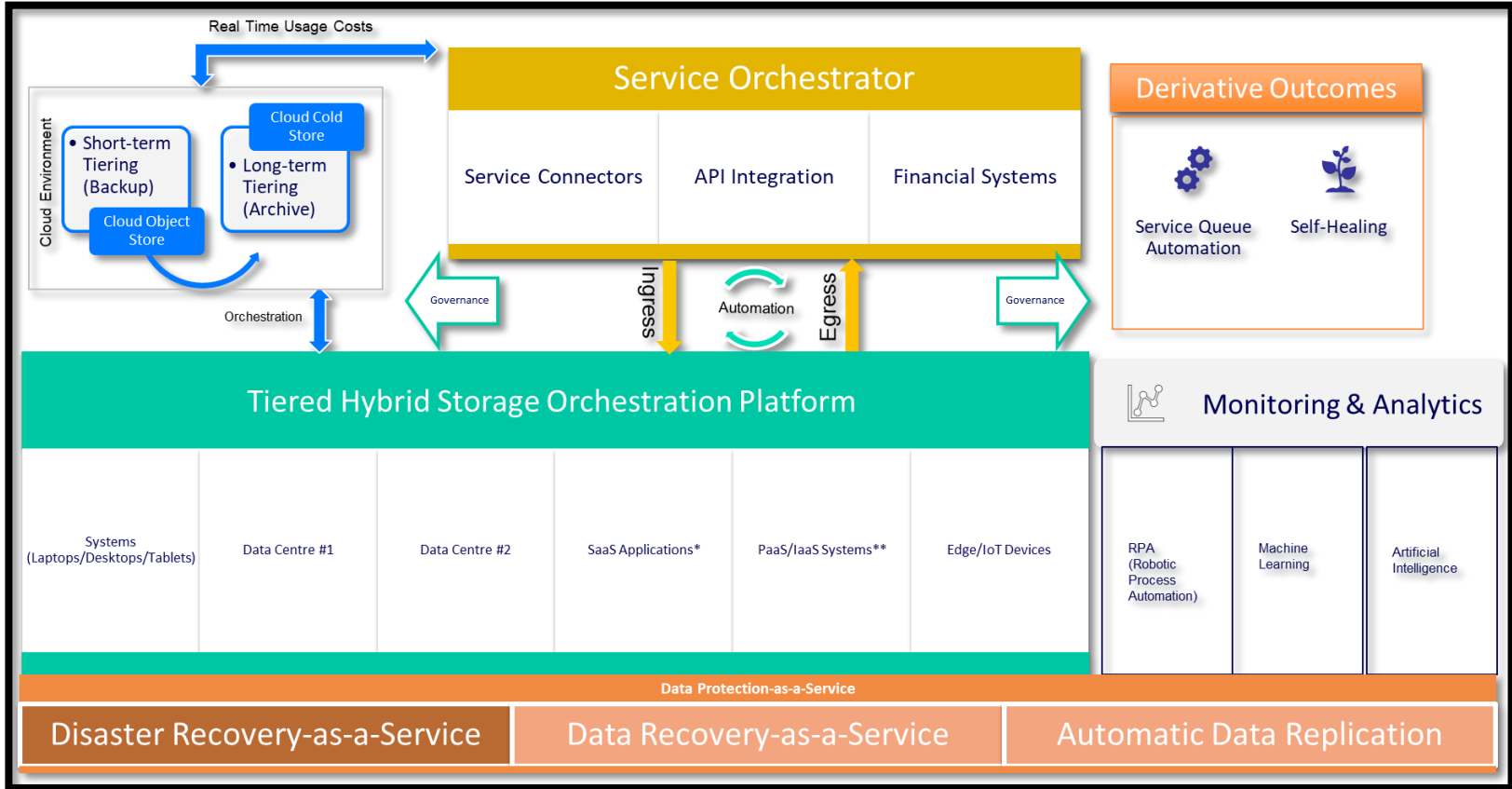
Emerging Themes

Variety	Use-case Driven	Secure
<ul style="list-style-type: none">• There was a clear ask for variety of storage offerings	<ul style="list-style-type: none">• While “the what” was important, even more-so the “how” focusing on use-cases emerged as a preference	<ul style="list-style-type: none">• There was a clear need for the organisation to ensure adequate security and IP protection



Active – time sensitive	Legend
Passive – time insensitive	

Solution View – Storage Services



Security Principles Applied Holistically

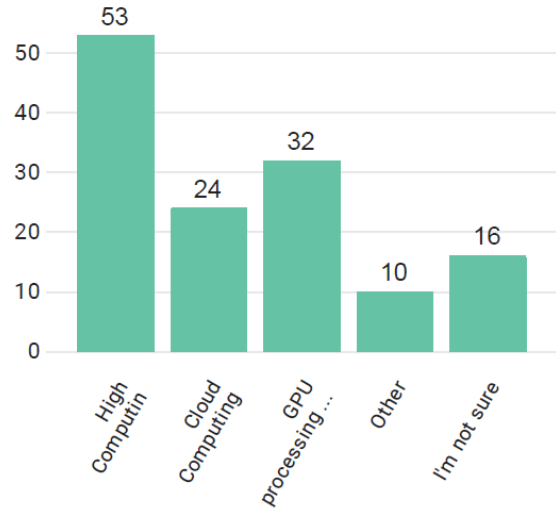


Compute Services

For Research Capability

Our Internal Survey Results – Types of Compute

Survey Results



Percentage of need by response

Types of compute required

Emerging Themes

Variety

- Limitations in the offerings of cloud and GPU processing in the current state were highlighted

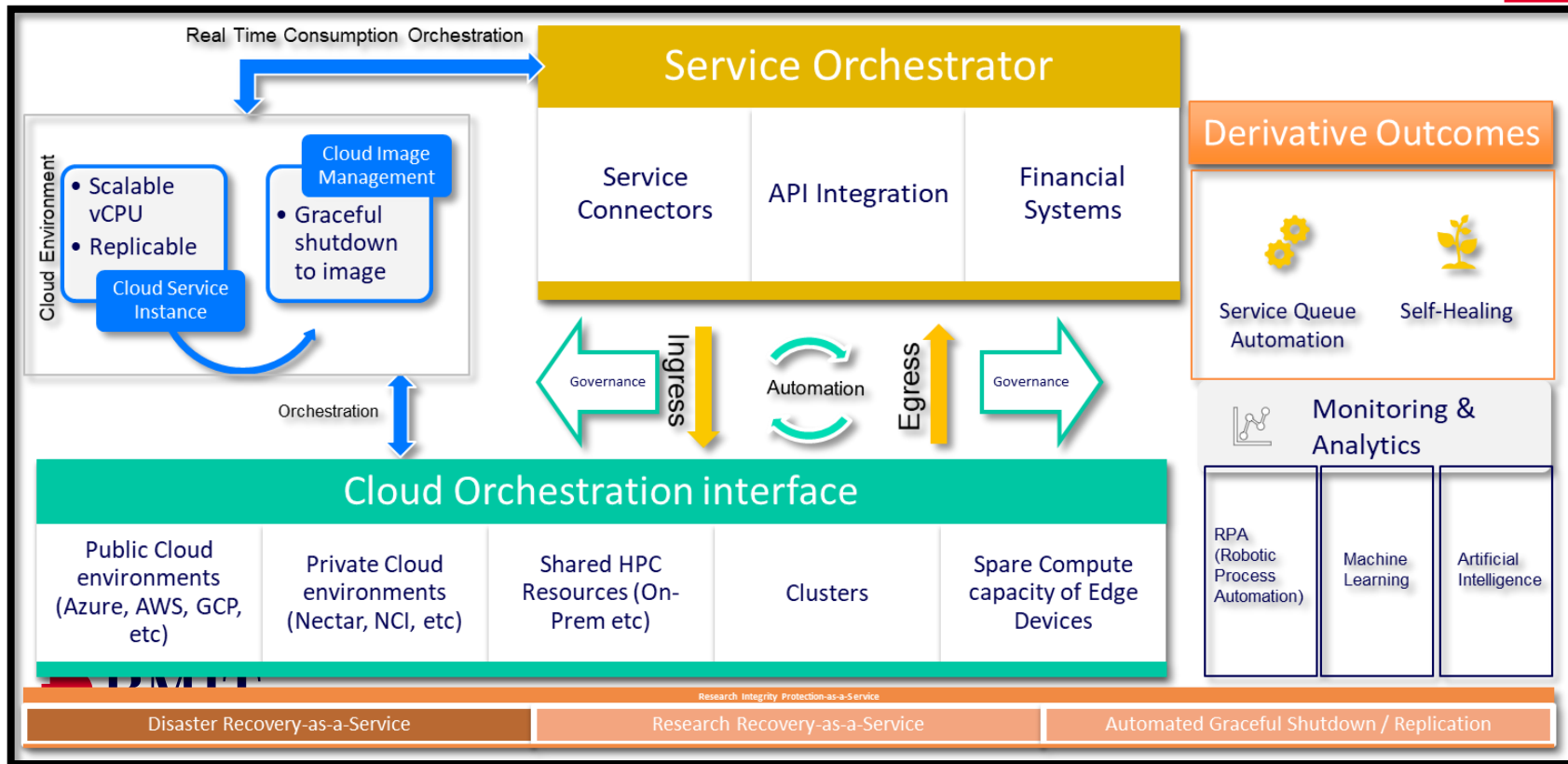
Scope

- “Soft Sciences” are now emerging as a key demand for expanding research compute capability

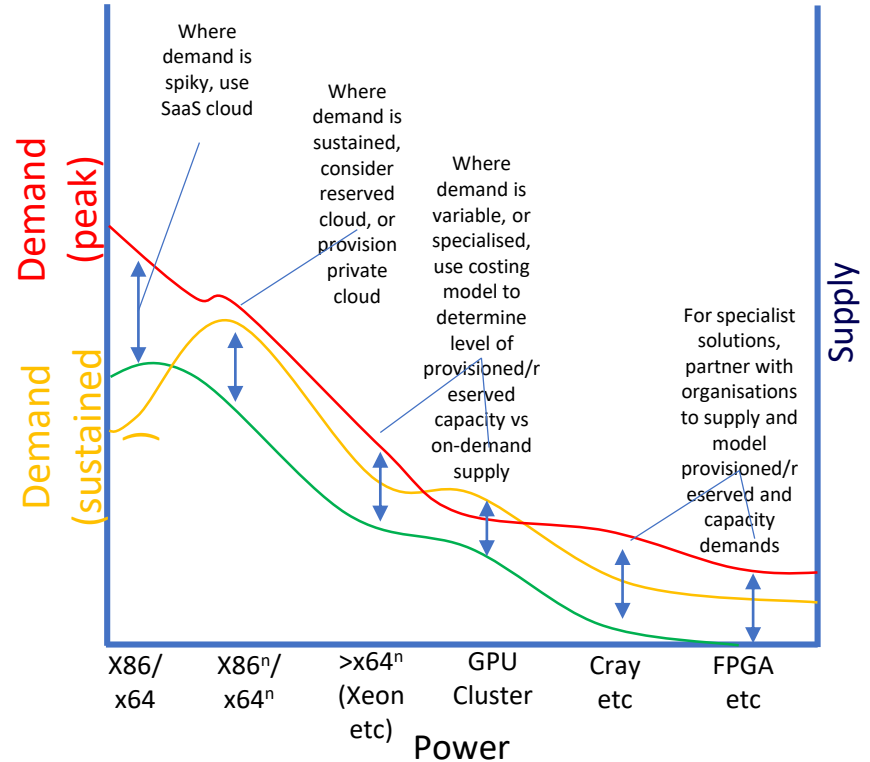
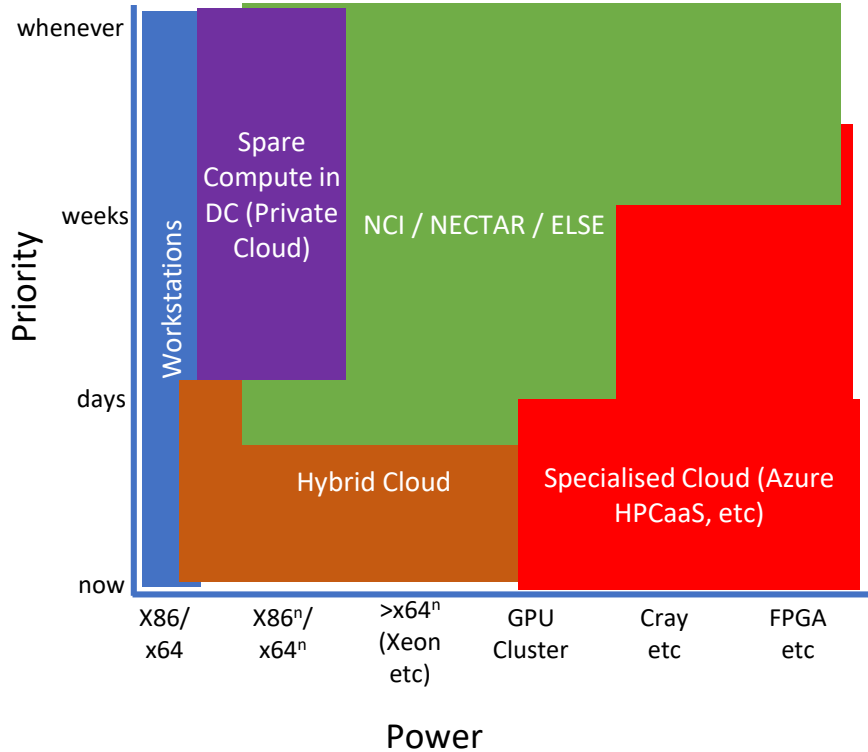
Accessibility

- Different research tiers have differing funding capability, meaning inequity of access to research compute – something that the orchestration service is trying to solve.

Solution View – Compute Services



Model – Compute Orchestration



Questions