GCloud 14 Service Definition Document

1.   Armakuni Cloud Native Assessment

Service Summary

Armakuni focusses on Cloud Native Cultural Change, but to deliver success, we need to understand where an organisation is on the journey. We have assessments that look at culture, capability and technology to help visualise your engineering landscape.

Benefits

- OODA Loops - Observe, Orientate, Decide, Act
- Armakuni provide the observation and orientation, quickly and easily
- A small amount of work to visualise team/product landscape
- Turn anecdotes into metrics
- See improvement change
- Define your roadmap based on clear contextual information

Planning

Armakuni will work with the client to plan any assessment work. This is normally part of a wider transformative piece of work, but can, in some situations, provide a one-off baseline for an organisation. Planning will be based on the size of the organisation, number of teams and number of products, and in some (in-depth cases) number of repositories. Assessment planning typically takes 1-3 days (organisation and context dependent)

2.   Armakuni Cloud Native Expert Software Engineers

Service Summary

A key part of Armakuni's services to drive Cultural Change with Engineering Excellence, our baseline is augmenting struggling teams. This service allows our engineering coaches to engage within the teams and drive change from within, whilst understanding the context of the organisation, either as part of transformation, or in isolation.

Benefits

- Drive change whilst fixing
- Accelerate change within teams
- Inject behaviours and qualities into teams
- Through acceleration & improvement, develop pride & satisfaction
- Enables adoption of best practice when using temporary resources
- Engineering coaching skills to transfer knowledge to retained team
- Data Integration experts
- NLP Natural Language Processing

Planning

Armakuni will work with the client to plan any team augmentation work. This is normally part of a wider transformative piece of work, but in some scenarios, we engage with organisations to "put fires out", or solve specific, contextual issues blocking flow. Augmentation planning typically takes 1-3 days, but this can vary significantly depending on the organisation and the context.

3.   Armakuni Data Engineering Service

Service Summary

We help organisations modernise their data operations by applying modern cloud and devops principles to new or existing data engineering processes. We embed within your teams and lead by example, helping your teams design, develop and upskill in data architectures, data processing and infrastructure in cloud-based environments.

Benefits

- Remain at the forefront of modern data engineering tools and technologies
- Build capability within your data engineering, data ops and data science teams
- Drive change while fixing problems
- Lay a solid foundation of tools and principles to build on
- Leverage the power of the best open-source tools and public cloud
- Iterate quickly from discovery, to proof of concept, to beta, to production
- Our agile approach is designed to handle frequently changing requirements
- Leverage the power of cloud for big data analytics

Planning

Armakuni will work with the client to plan any team augmentation work. This is normally part of a wider transformative piece of work, but in some scenarios, we engage with organisations to "put fires out", or solve specific, contextual issues blocking flow. Augmentation planning typically takes 1-3 days, but this can vary significantly depending on the organisation and the context.

4.   Armakuni Cloud Native Cultural Transformation Services

Service Summary

In a cloud-first era where feedback cycles and speed to market are key, Armakuni focuses on helping organisations understand and adopt Cloud Native principles. Through Assessment, consultancy, hands on engineering/pairing and training/adoption programmes, Armakuni can pinpoint and action change.

Benefits

- Speed up your ability to deliver real end-user business value
- Simplify and streamline technology delivery aspects of your service provision
- Reduce deployment times
- Automated infrastructure and platform provisioning
- Faster feedback cycles
- Improves system redundancy, resilience and observability
- Deploy a full tested change into production with 100% confidence
- Transform the technology delivery capabilities of your organisation
- Transform your culture to one of continuous learning and improvement

Planning

Adopting cloud isn't a technical or budget based decision. It spans people, process and technology. Armakuni start an engagement by helping the organisation understand the landscape.
- OBSERVE
  - Through a mixture of assessments and workshops, we understand and visualise the culture, capability and technology across an organisations teams and products.
- ORIENTATE
  - We process the data we have collated and present it in a format that allows the participants to clearly identify where help is needed.
- DECIDE
  - Once we can see the landscape clearly, we can work with the client to plan the next steps forward. To do this, we will create a hypothesis around what we think will make a change and move the dials on the metrics we have observed. We then create low cost, low risk experiments to test out these theories before committing fully. We believe in this approach, as all organisations are different.
- ACT
  - We run some experiments, embracing the potential for these experiments to fail or not work well, with a view to finding the approaches that do work, that we can progress and move beyond the experiment level.

At this point, we review the data and start the loop again.

5.   Armakuni Product Management Service

Service Summary

Armakuni product managers work to define a strategic product vision and manage the end to end product lifecycle. We are outcome focussed and use evidence-based decision-making to align user needs & business objectives into a cohesive product strategy. We work to foster cross-functional collaboration, ensuring customer-centred value is delivered at pace.

Benefits

- Teams upskilled in product management best practice
- Teams & stakeholders aligned around clear vision and focussed on goals
- Products meet customer needs; deliver benefits aligned to business objectives
- Focus on outcomes with clear measures of success
- Products are managed end to end, and continuously improved
- Informed decision-making based on data-driven insight generation
- Focus on increased speed to market to deliver value more rapidly
- Empowered teams, set up for joyful and successful collaboration
- Fosters a positive team culture and empowerment within teams & beyond
- Enhanced collaborative learning and development

Planning

All Armakuni consultants are lean/agile experts. Our services are sensitive to the context within which we find ourselves operating and tailored to the client's needs. We start by conducting a short, time-bound Discovery phase. This enables us to get a clear understanding of the user, business and technical aspects of the project and ensures the development of a shared understanding, as well as agreement on vision and objectives across a broad stakeholder group. It will ultimately support the ongoing iterative planning phases. Outputs usually include product vision, roadmap, a prioritised backlog of user stories, technical constraints and RAID Log.

6.   Armakuni DevOps & SRE Expert Service

Service Summary

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Benefits

- Drive change whilst fixing
- Accelerate change within teams
- Inject behaviours and qualities into teams
- Through acceleration & improvement, develop pride & satisfaction
- Enables adoption of best practice when using temporary resources
- Engineering coaching skills to transfer knowledge to retained team
- Data Integration experts

Planning

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7.   Armakuni Team Topologies Operating Model Service

Service Summary

Team Topologies is the leading approach to organising business and technology teams for fast flow, providing a practical, step-by-step, adaptive model for organisational design.
Four fundamental types of team and three core interaction modes combine with Conway's Law, cognitive load, and organisation evolution to help build and run software systems.

Benefits

- Create clear customer centric view of flow of work
- Clear direction for org transformation
- Sets a product and service agenda for easy consumption
- Improved operational agility
- Realise customer and organisational value faster
- An organisation tailored to your cloud needs
- Independent perspective and insight from our subject matter experts
- Leverage our catalogue of cloud TOM artefacts
- Accelerate your cloud ambitions
- Continuous feedback and improvement on the service provided and delivery

Planning

Armakuni will work with the client to plan any team augmentation work. This is normally part of a wider transformative piece of work, but in some scenarios, we engage with organisations to "put fires out", or solve specific, contextual issues blocking flow. Augmentation planning typically takes 1-3 days, but this can vary significantly depending on the organisation and the context.

8. Armakuni Secure Azure Cloud Native Discovery and Adoption

Service Summary

Armakuni drives Azure cloud native discovery and adoption by combining our experienced engineers, knowledge of industry best practices with immersive, hands-on training and co-delivery of key organisational outcomes. We leverage our experience of working in both private and public sector environments to exploit Azure's offering, often while extending an existing Microsoft estate

Benefits

- Understand Microsoft Azure services and best practices
- Adoption of industry best practices which will drive efficiency
- Speed up your ability to deliver real end-user business value
- Simplify and streamline technology delivery aspects of your service provision
- Reduce deployment times and faster feedback cycles
- Automated infrastructure and platform provisioning
- Improves system redundancy, resilience and observability
- Deploy a full tested change into production with 100% confidence
- Transform the technology delivery capabilities of your organisation
- Transform your culture to one of continuous learning and improvement

Planning

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- ACT
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At this point, we review the data and start the loop again.

9.   Armakuni AI/ML Modernisation Service

Service Summary

We help organisations modernise their Artificial Intelligence (AI) and Machine Learning (ML) operations by applying modern Cloud, DevOps & MLOps principles to new or existing AI/ML processes. We embed within your teams and lead by example, helping your teams design, develop and upskill in AI/ML architectures, model training & validation and infrastructure in cloud-based environments.

Benefits

- Realise value from data
- Integrate data source with pipelines to automate processing
- Rapidly develop insightful models for insight and automated decision making
- Improved mindset by integrating modern software engineering practices
- Using cloud-based infrastructure to provide scalable solutions
- Code-first, test-driven approach to building reliable, reusable models
- Broad experience of successful AI and ML engagements

Planning

At the beginning of an engagement we run a workshop including key stakeholders and team members to identify project goals. We then use extreme programming (XP) practices to define stories that can be planned into iterations. We aim to deliver value and get feedback quickly so that the direction of the project, issues encountered, and changing priorities can be addressed.

10.   Armakuni AI/ML Data Science Service

Service Summary

Armakuni supports organisations on their journey from data science, Artificial Intelligence (AI) and Machine Learning (ML) experiments to productionised models. We embed within teams and lead by example on the design, implementation, training, deployment and monitoring of models, developing robust, scalable, cloud-based solutions using DevOps & MLOps principles.

Benefits

- Realise value from data
- Integrate data source with pipelines to automate processing
- Rapidly develop insightful models for insight and automated decision making
- Improved mindset by integrating modern software engineering practices
- Using cloud-based infrastructure to provide scalable solutions
- Code-first, test-driven approach to building reliable, reusable models
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Planning

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11.   Armakuni Cloud Native Discovery and Adoption

Service Summary

Armakuni drives Cloud Native Cultural Change through immersive/hands on training to introduce both engineers and those that work around them to key Cloud Native concepts. Fully aligned to Ddat Discovery principles. Once the desire to change is instilled, we then drive change through long-term, adoption programmes which support behavioural change.

Benefits

- Ultimately, faster features, faster feedback cycles
- More reliable, resilient services and software
- Total alignment across your engineering organisation
- Show both engineers/management the benefits of modern engineering practices
- Create the desire to learn, then facilitate in the workplace
- Create the communities to support the learning
- Behavioural change is HARD and takes time; We support that
- Create basis for well structured Alpha
- Surface metrics that allow teams to track their improvement
- Discovery focuses on user centric service context & design

Planning

Armakuni will work with the (prospective) client to plan the Training and Adoption programme. We have extensive experience of this, through the selection and onboarding process (validating skillsets pre training, system setup, surveys etc) and the post course offboarding/assessment.
We have experience of planning this sort of process for large engineering departments (high street banks, government offices).

GCP (Partner)
AWS (Partner)
Azure (Partner)
Any container based platform
Any Kubernetes installation
VMWare Platforms
PaaS - CloudFoundry, Openshift
CaaS - Containers As A Service
Serverless

About Armakuni

Armakuni helps organisations to build their engineering future. We use Data, Alignment and coaching to create High Performance Teams. Ak supports Modern engineering practices - cloud native, devops, agile/lean engineering.

Armakuni's core purpose is "to bring joy and creativity to the world of engineering - across software, data and infrastructure".

In our world, modern engineering practices encompass a range of skills that support organisations in the delivery of high quality products/services by harnessing the benefits of the cloud. In essence this can be summarised as: Everything as code; Everything automated; Everything tested.

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