



VME Applications as a Service

# The Journey

VAaaS; a managed service for VME applications.

The journey to improved agility and integration at reduced cost.

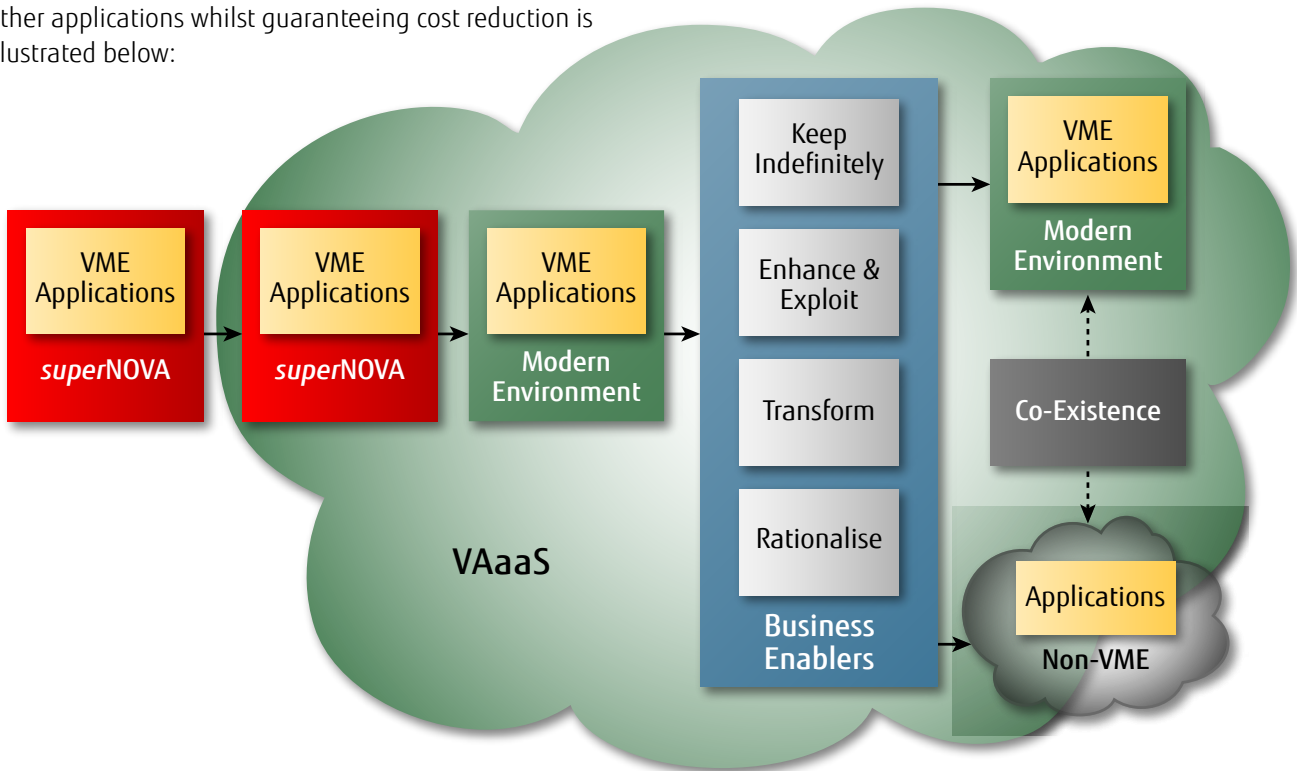
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# Overview

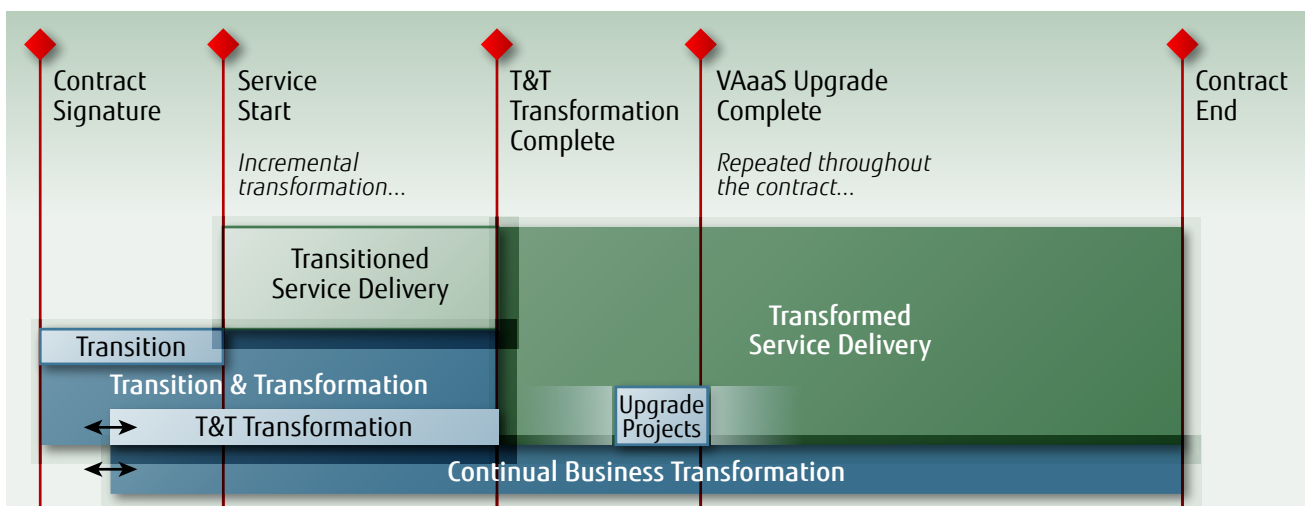
The journey towards a modern environment for your VME applications improving their agility; and coexistence with other applications whilst guaranteeing cost reduction is illustrated below:



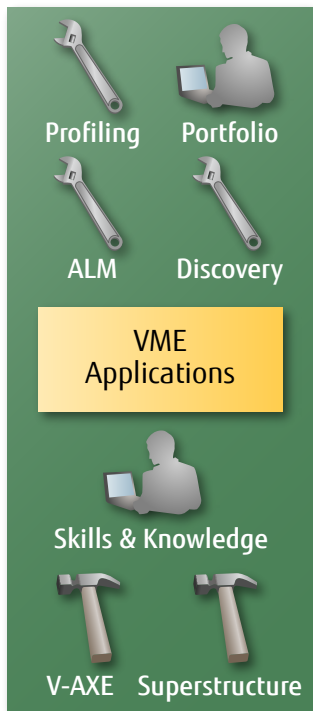
Your VME applications operating on *superNOVA* are transitioned into the VAaaS managed service; at service start the responsibility for providing the applications as-a-service passes to Fujitsu. Transformation of the service into a modern environment proceeds in parallel according to an agreed plan delivering incremental benefit until complete; thereafter upgrade projects refresh the

environment ensuring you profit from Fujitsu's continuing investment in VAaaS.

The transition and transformation to the modern environment and its future evolution are undertaken with minimum impact on projects delivering change to meet changing business needs.



# Modern Environment



VAaaS provides a modern environment to support the management, development and integration of applications which includes new tools and services; re-engineering of existing capabilities and the management of skills and knowledge to extend the provision and continuous improvement of the VAaaS service:

## **ALM**

Tools supporting the Application Lifecycle Management of VME and VAaaS Integration Applications in an Eclipse-based integrated development environment within Apt; Apt is Fujitsu's ALM framework supporting the composition of methodologies from predefined practices within which the most appropriate tools can be combined to support project practitioners.

## **Discovery**

Tools to analyse an application or application suite – primarily by looking at the source code – to increase understanding in order to assist management and onward development of the applications.

## **Profiling**

Tools to analyse VME data to assess data integrity against business rules; producing statistics and exception reports often useful to assist in: understanding of legacy databases, understanding of data quality, database schema change, migration change impacting or in the general troubleshooting of incidents.

## **Portfolio**

Application portfolio management (APM) and value assessment (AVA) services tailored to address VME and VAaaS Integration Applications supporting investment planning in the context of manage business demand and manage enterprise architecture services by providing reliable information about applications in an organisation's application portfolio.

## **Skills & Knowledge**

Services to ensure that resources with the required skills and knowledge to deliver VAaaS services are always available through the provision of: knowledge transfer, skills development, training, recruitment and staff retention with access to knowledge repositories and experts within the VME centre of excellence.

## **V-AXE**

An environment supporting the execution of VME applications and their integration with non-VME applications and databases created by re-engineering VME assets using today's technologies and system programming methodologies.

## **Superstructure**

Extension of the V-AXE environment to re-engineer key components of the superstructure assets including: IDMS, TPMS and AM to improve integration capability, simplify their management and reduce costs.

# Business Strategy

VAaaS provides services to understand, influence and deliver your business strategy by taking advantage of the modern environment and co-existence capabilities using Fujitsu's unique knowledge of their features today and their future roadmap.

## Demand

Participation in the management of your change portfolio covering: demand funnel management, project prioritisation, service improvement initiatives, business case development and the governance of change.

## Architecture

Architects to participate in the evolution of your enterprise architecture as members of a joint architecture group; capable of understanding your EA and positioning VAaaS capabilities and roadmap to maximise their value for you.

## Deliver Change

Services to deliver business change accurately and efficiently; leveraging the capabilities of the modern environment, integration technologies and exploitation services to reduce cost, time and risk of delivery.

## Exploitation Services

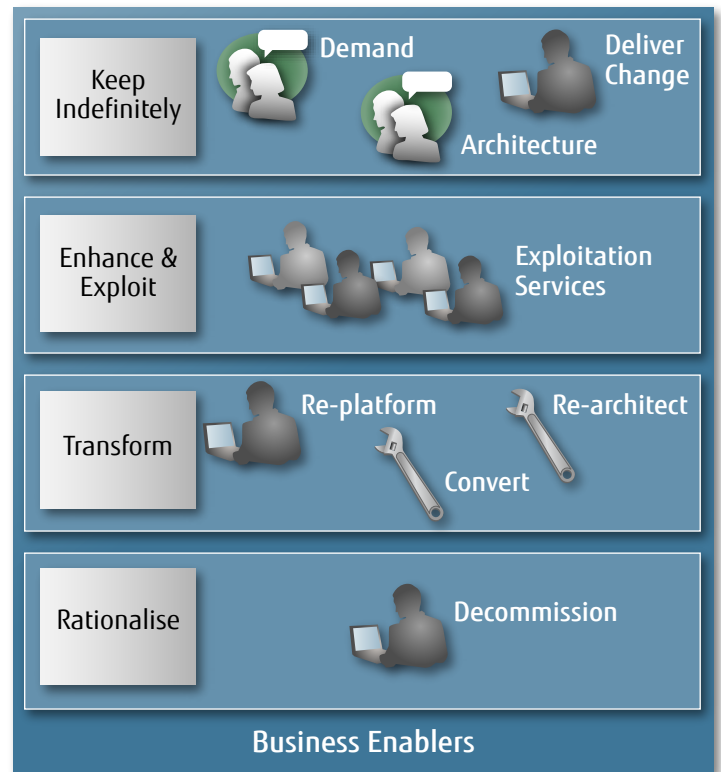
A set of services to identify, quantify the value of and deliver opportunities for you; to reduce costs, improve user experience or otherwise deliver additional business benefit; by taking advantage of capabilities provided by VME, *superNOVA*, V-AXE and *HostTalk*.

## Re-platform

Services using proven tools and techniques, including the convert and re-architect tools, to migrate a VME application such that it can execute on a non-VME platform.

## Convert

Tools to convert VME source code to modern programming languages such that it can be recompiled and execute on a non-VME platform.



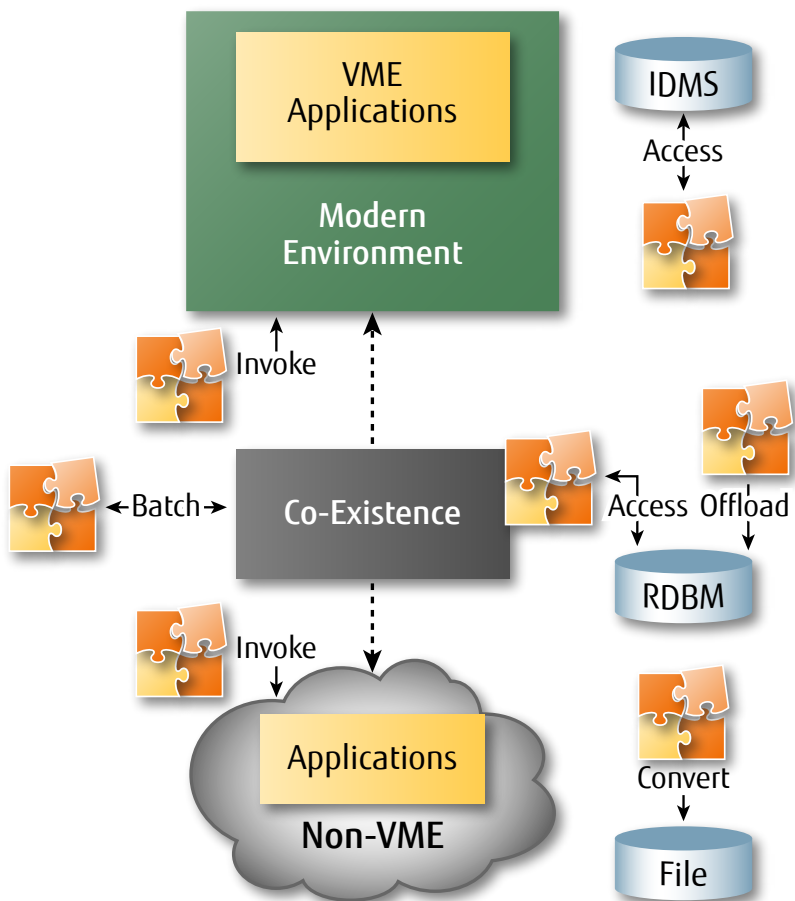
## Re-architect

A toolset to disassemble an application, transform into models (e.g. executable UML), reconfigure using best practice from model driven architecture (MDA) and execute on a non-VME platform.

## Rationalise

Services to decommission a VME application addressing: changes to, or termination of, contractual, 3rd party & internal agreements for component services, disposal of redundant assets, redeployment of staff and secure retention or destruction of client data.

# Co-Existence



VAaaS is investing in the enhancement of integration technologies to simplify the delivery of business change requiring co-existence of VME applications and non-VME applications.

## VME-Invoke

Integration technology allowing modern applications to invoke functionality on VME via message queue and web service interfaces.

## IDMS-Access

Integration technology allowing modern applications to read and update an IDMSX database using an open interface, without needing to understand IDMS, whilst VME applications also have simultaneous read/update access the database.

## Batch

Integration technology allowing VME batch jobs to communicate with modern applications bi-directionally at the event/record level.

## RDBM-Offload

Integration technology to offload data from an IDMSX database to a relational database and to maintain close-step synchronisation of the databases through incremental updates.

## RDBM-Access

Integration technology allowing VME applications to read and update a relational database through its existing IDMSX DML without any change to the VME application code whilst modern applications also have simultaneous read/update access to the database.

## Non-VME-Invoke

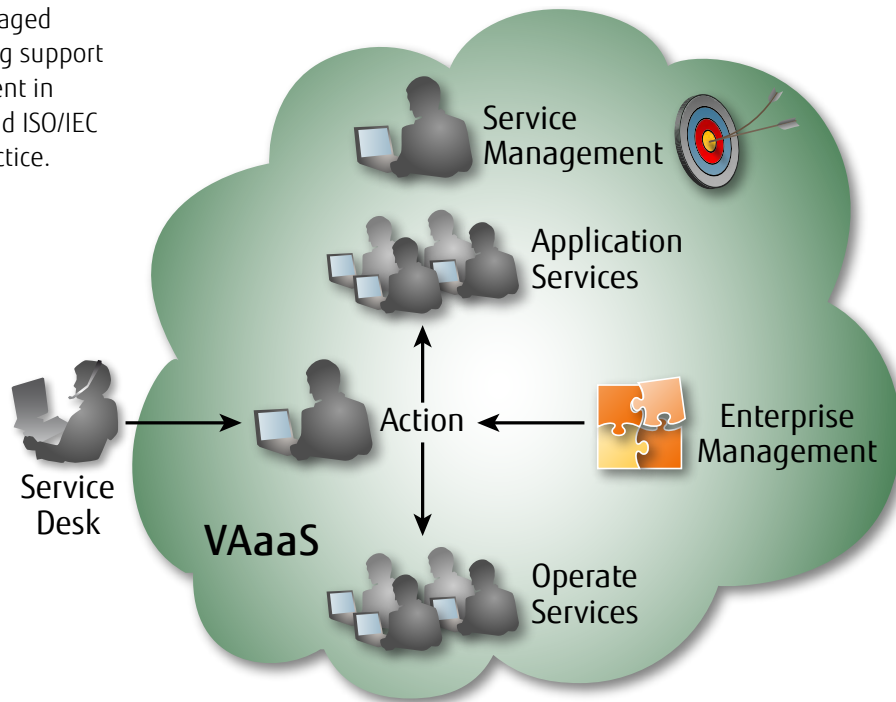
Integration technology allowing VME applications to invoke modern application functions using modern application interfaces.

## Convert

Integration technology to convert VME files to well formed XML as a free-standing utility and as a file transfer option.

# VAaaS Managed Service

VAaaS is a managed service providing support and management in line with ITIL and ISO/IEC 20000 best practice.



## Action

Services to accept, route to resolver group and manage to closure: incident, service and change requests from your service desk and alerts from the enterprise management framework.

## Operate Services

A set of services to operate the VME application environment (*superNOVA* & *V-AXE*): apply patches and upgrades, monitor health, resolve incidents, deliver service requests, schedule maintenance, administer system software, disaster recovery; and to operate the VME applications: release application upgrades, monitor health, resolve incidents, deliver service requests, schedule maintenance, manage user access and provide database, capacity and availability management.

## Applications Services

A set of services based on Apt optimised to address VME and VAaaS Integration Applications covering investigation, diagnosis and fixing of incidents and the delivery of minor functional enhancements.

## Enterprise Management

Integration technology supporting the management of VME applications, superstructure, application environment and VME Integration Applications; monitoring operations and raising alerts when operational thresholds are exceeded.

## Service Management

Services to manage all VAaaS services listed in the target operating model to committed SLAs, operating escalation processes to address exceptions and service improvement processes to: maintain best practice, increase customer satisfaction and continually develop productivity and the use of skills and experience to reduce costs and improve service for you.



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If you require any further information, please contact Ask Fujitsu on +44 (0) 870 242 7998 or email [askfujitsu@uk.fujitsu.com](mailto:askfujitsu@uk.fujitsu.com) quoting reference number 1371.

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