Talk to us about our Innovative Solutions for:

- **Engineering**
- **Finance**
- **Entertainment**
- **Telcom**
- **Geoscience**
- **Life Sciences**
- **Health Care**
- **Research**
- **Education & Training**

Maximise ROI **on underused assets**

- Leverage existing hardware you already own to build Private Cloud
- Use Public Cloud resources only when needed

Higher Productivity & Quality

- Simulations take hours instead of days to complete
- Speed time to market and improve quality by doing parallel and multiple simulations
- Ability to scale to hundreds of servers

Manjrasoft develops Market-Oriented Cloud Computing platforms that allow you to **build, accelerate and manage** your applications ultimately saving you time and money, leading to enhanced business productivity and profit.

Build –

Aneka is built on a decentralised architecture and gives you lots of room to customise with the right tools to build an enhanced solution.

- Private, Public or Hybrid Clouds
- **Applications development** through support for **rapid creation** and **Custom SDK** solutions using innovative parallel and distributed programming models.
- Multi-programming Models - threading, batch processing and MapReduce
- .NET or Mono (Linux) framework

Accelerate –

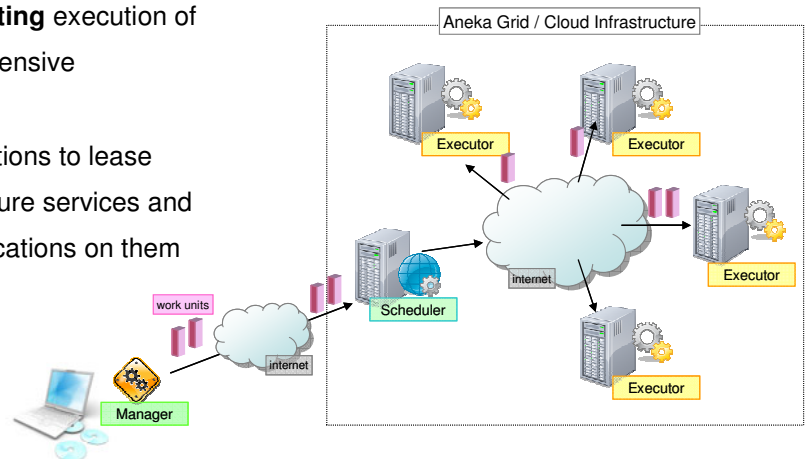*Aneka* develops software optimised for networked Multi-core computers to accelerate applications.

- Ability of organisations to **harness** computing resources within an enterprise for **accelerating** execution of "compute" or "data" -intensive applications
- Also, enables organisations to lease public Cloud infrastructure services and run Aneka-based applications on them without any changes.

Aneka as a **C**loud **A**pplication **P**latform (**CAP**) provides a flexibile and extensible environment, allows you to develop and run multiple applications simultaneously faster and manage dependencies within them.

Manage -

Aneka has a **Service-Oriented Architecture (SOA)** that offers flexibility in managing your application solutions, including a built-in management tool to allow you to have enterprise grade, market oriented management solutions:

- Accounting and Pricing Services allow you to price and bill for services according to usage.
- Security that separates authentication from authorization using existing or custom infrastructures.
- **Dynamic Resource Reservation** and Resource Allocation to manage SLAs (Service-Level Agreements) and meet users QoS (Quality of Service) requirements.

Aneka Grid / Cloud Infrastructure

ANEKA PLATFORM

Aneka – the first choice for flexible, extensible Market Oriented Cloud application development and deployment.

Aneka provides a set of services that make enterprise cloud construction and development of applications as easy as possible without sacrificing flexibility, scalability, reliability and extensibility.

The key features supported by *Aneka* are:

- A configurable and flexible execution platform (container) enabling -
    - pluggable services;
    - security implementations - multiple authentication / authorisation mechanisms such as role-based security and Windows domain-based authentication;
    - multiple persistence options including RDBMS, SQL Express, MySQL and flat files;

- SDK (Software Development Kit) supporting multiple programming models including –
    - Object oriented thread model,
    - Task model for legacy applications
    - Map Reduce model for data-intensive applications
    - Custom tools such as Design Explorer for parameter sweep studies

- Easy to use management tool for SLA and QoS negotiation and dynamic resource allocation.

- Supports deployment of applications on private or public Clouds in addition to their seamless integration.

Aneka allows servers and desktop PCs to be linked together to form a very powerful computing infrastructure.

This allows companies to become energy efficient and save money without investing in greater numbers of computers to run their complex applications.

Each *Aneka* node consists of a configurable container which includes information & indexing, scheduling, execution and storage services. *Aneka* supports multiple programming models, security, persistence and communications protocols.