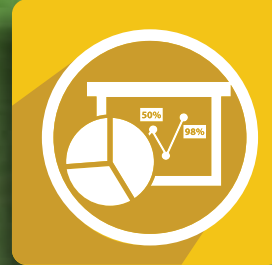




Business



Operations



Service Provisioning

# Cloud Management Suites

## Cloud Management Suites

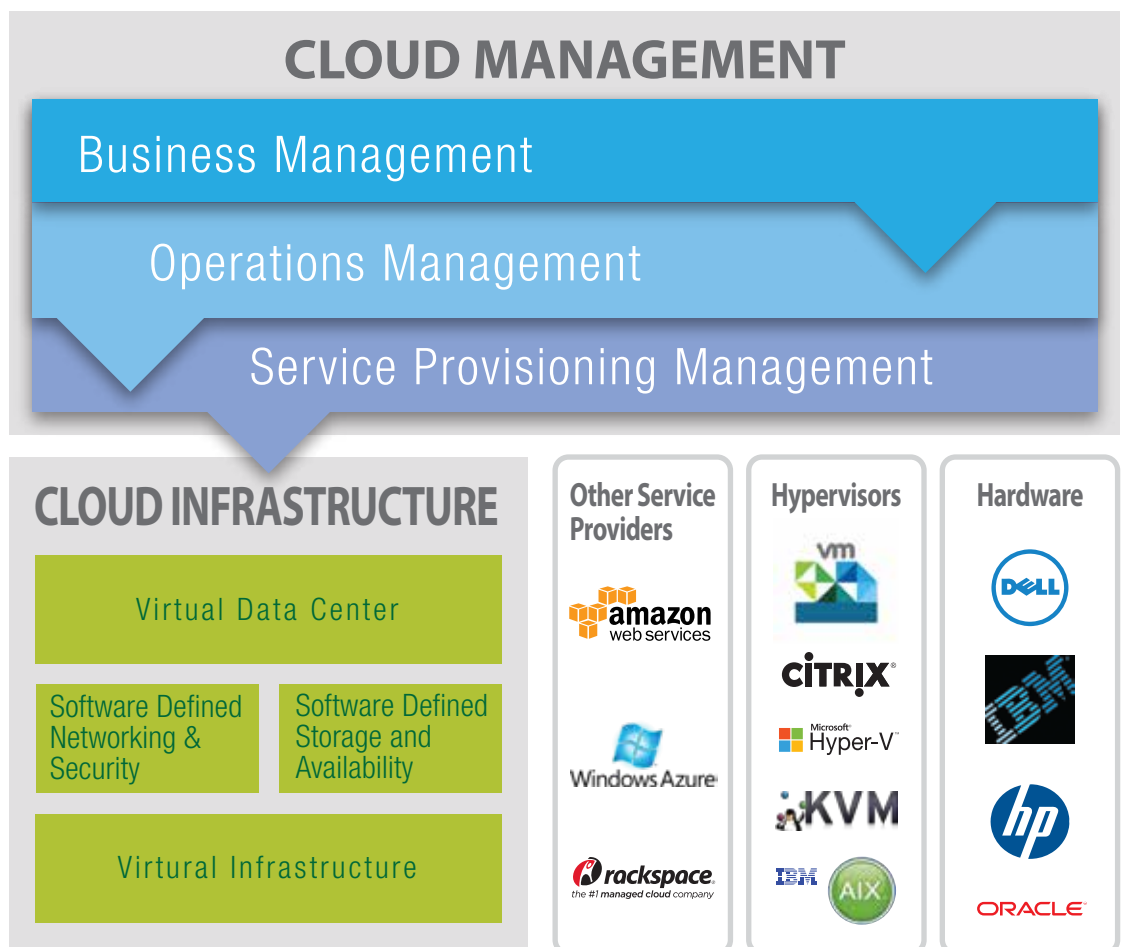
Today, virtualization is the cornerstone of most IT initiatives, with many organizations leveraging their virtual infrastructure foundation to move to cloud computing. However, many IT departments face the challenge to effectively support new dynamic IT infrastructure using traditional management tools and approaches that were designed to support individual computing silos.

In the era of virtualization and cloud computing, IT departments need a new approach to maintain the performance, availability, quality of service, security and compliance requirements of infrastructure, applications and business services.

PCCW Solutions is well aware of these challenges; its cloud management solutions can help reduce risk by providing the tool for performance management of the cloud infrastructure, backup and restoring associated workload storage.

With the use of cloud infrastructure, integrated management and automation services can help achieve operational efficiency and productivity. PCCW Solutions' cloud management suites help enable the following:

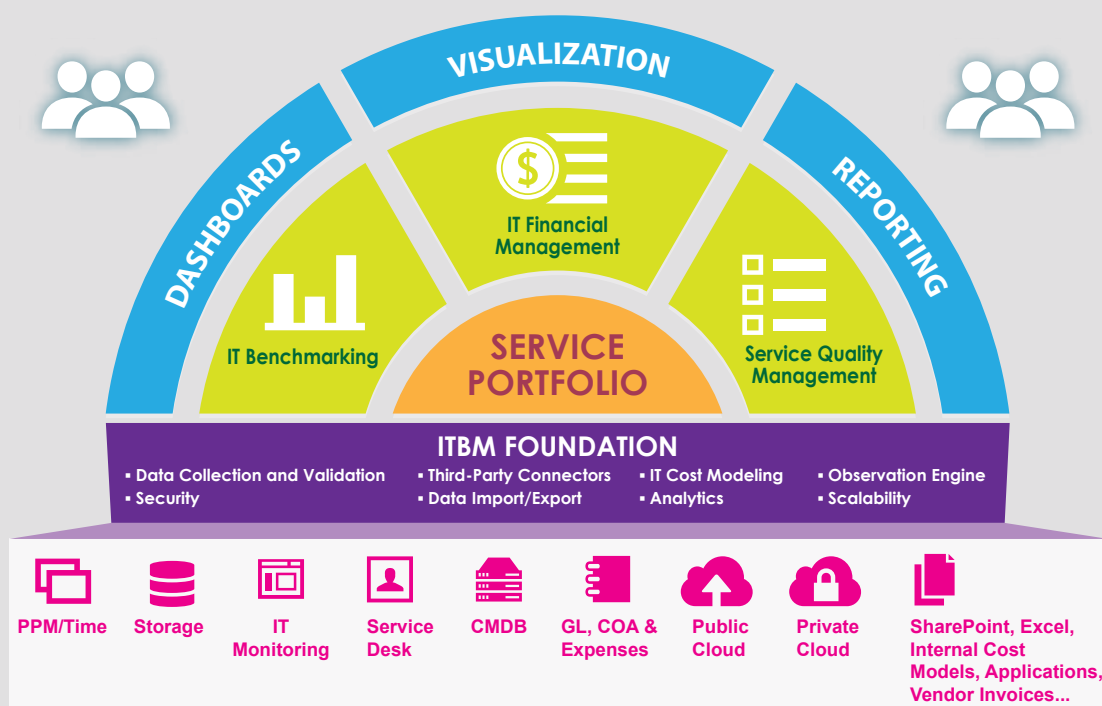
- Automated provisioning and monitoring capabilities for improved Service Level Agreement (SLA) and policy focus
- Significantly reduce human resources for system operation and new system implementation time
- Lower the total costs of IT system maintenance through reducing workload of administrators
- Increase the IT resources utilization



**Figure 1.** PCCW Solutions' cloud management suites provide visibility and control over the consumption and management of internal and external cloud resources and applications.

## Features and benefits

- Support of different cloud hypervisors options:VMWare vSphere, Citrix XenServer, Microsoft Hyper-V, RedHat KVM, IBM PowerVM
- Support for different guest operating systems on virtual and physical systems: RedHat Linux, Microsoft Windows 2008 & 2012, IBM AIX, Suse Linux, Oracle Enterprise Linux
- A self-service portal for business or administrative users to deliver a complete, configurable services without IT intervention
- Ability to manage the entire service lifecycle, from initial request, provisioning, monitoring to decommissioning
- Database-as-a-service instances can be provisioned within existing server; resulting in reduced database licensing costs by leveraging shared platform resources
- Multi-tenant cloud architecture with auto-scaling of cloud resources feature



**Figure 2.** PCCW Solutions' cloud management suites enable IT to measure cost, quality and value across all cloud services.

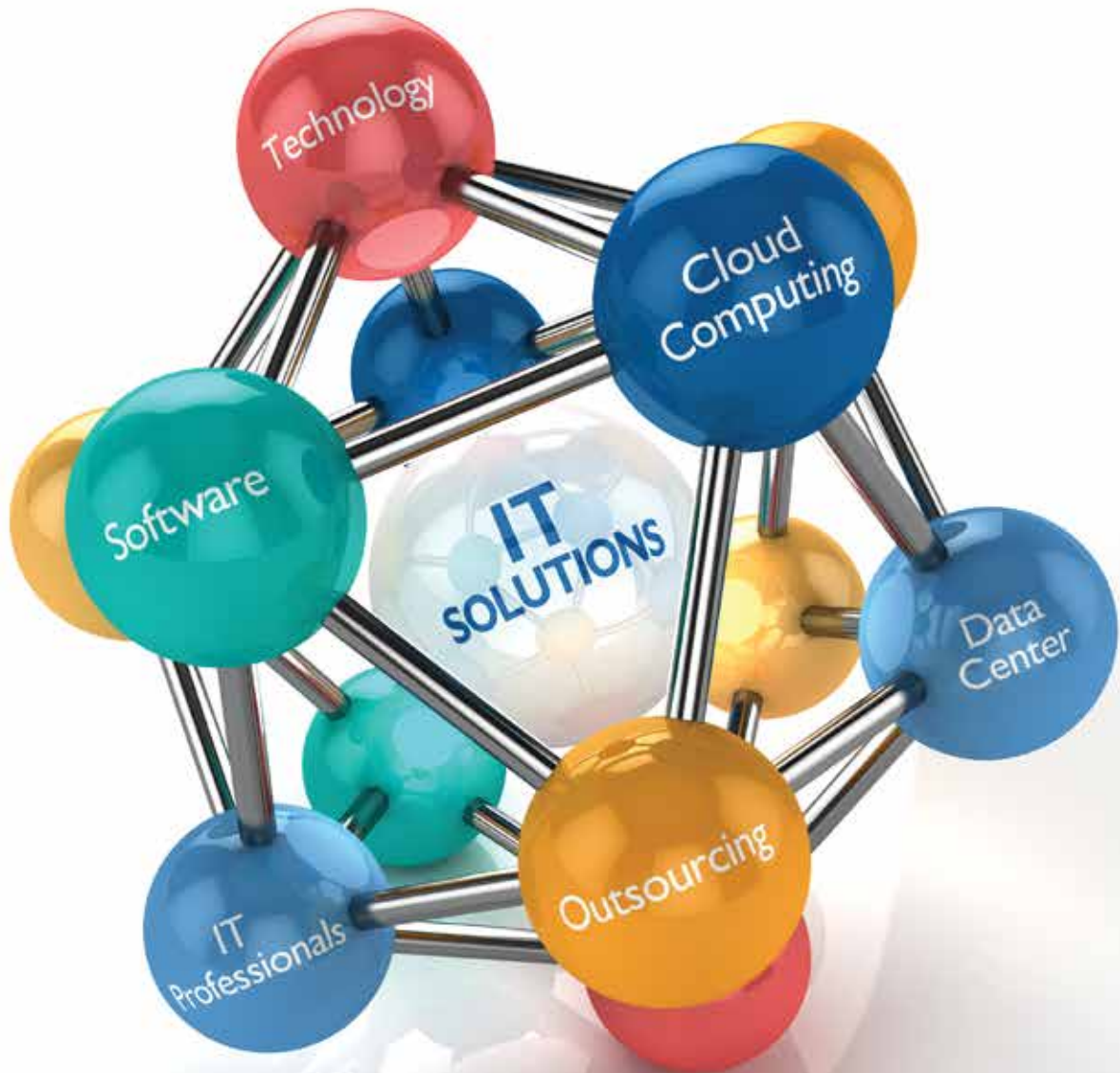
PCCW Solutions' cloud management solutions support the management of cloud environments. IT departments can effectively provision and govern infrastructure and applications based on predefined policies, hence the healthiness, compliance and efficiency of the cloud infrastructure can be ensured.

The following core functions and intel capabilities enable easy management, setup and operation:

- |   |                                 |
|---|---------------------------------|
| ■ Automatic Failover Prevention                                   | ■ High Availability             |
| ■ Centralized Management Pool (Server, Storage, Virtual Machines) | ■ Hot Add (CPU, Memory, etc...) |
| ■ Data Recovery   | ■ Self Service Portal           |
| ■ Distributed Power Management                                    | ■ Storage vMotion               |
| ■ Distributed Resource Scheduler                                  | ■ Thin Provisioning             |
| ■ Fault Tolerance   | ■ vMotion                       |

# PCCW Solutions®

• Software • Cloud Computing • Outsourcing



## About PCCW Solutions

PCCW Solutions is a leading IT services company in Hong Kong and mainland China. We adopt the latest technology to help clients create business value and success in the ever-changing economic environment. We offer a wide range of services including software solutions, IT and business process outsourcing, cloud computing, system development and solutions integration, data centers, hosting and managed services, e-commerce and RFID solutions. PCCW Solutions is committed to meeting customer needs to help them achieve business goals.

PCCW Solutions employs more than 3,800 IT professionals in Hong Kong and mainland China. Thanks to our widely-recognized business credentials and experience in managing large-scale projects, PCCW Solutions has become a trusted partner to a diversity of customer organizations. These include governments, leading banking and financial institutions, telecommunications service providers, retail and consumer brand companies and multinational corporations.