



**BHADALE GROUP OF COMPANIES
- IT AND REAL ESTATE**



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Technology Ecosystem – Hybrid-Multi cloud Catalogue

Bhadale IT Developers Pvt.Ltd

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Bhadale Group of Companies

Bhadale Group of Companies consists of Bhadale IT Developers Pvt. Ltd and Bhadale Real Estate Developers Pvt Ltd.

1. **Bhadale IT Developers Pvt. Ltd** is an IT and Computer Engineering company

This company provides consultation in areas of cutting edge technologies, research outsourcing, and software consultation related to data center and related engineering practices

2. **Bhadale Real Estate Developers Pvt. Ltd** is a Real estate company

This company provides development of Infrastructure for IT Datacenter and allied sectors. It manages the engineering design, landscaping, civil architecture, presently serving internal projects.

Bhadale Group of Companies has aggressive programs in place to serve the niche market.

Bhadale IT Developers Pvt. Ltd Programs and Services**IT Division programs**

- 1 Cloud Architecture
- 2 AI
- 3 Digital
- 4 Automation
- 5 R&D services
- 6 Engineering services
- 7 Mentoring Services
- 8 Data center services
- 9 Outsourcing

There are various services offered under each program, details are described below

IT Division program related services**Cloud Architecture**

- Cloud Enterprise Architecture
- Cloud Business Architecture
- Cloud Information / Website data Architecture
- Cloud Solution Architecture
- Data center Virtualization and Cloud services (IaaS)
- Cloud Technical Architecture – Project specific
- Cloud ERP Solutions (SaaS, PaaS)
- Cloud Strategy and Transformation
- Cloud Systems Integration and consolidation
- Cloud Project Management
- Cloud Pre sales support
- Business Needs (RFI/RFQ/RFP assistance)
- Cloud Quality Initiatives

- Cloud Business Analysis
- Cloud Infrastructure Planning – hardware , network, storage , backup (IaaS, PaaS)
- Cloud business portfolio assessment services (workshops)

AI

- Artificial intelligence and advanced machine learning
- Intelligent applications, Intelligent things
- Conversational systems
- Mesh app and service architecture
- Adaptive security architecture

Digital

- Virtual reality and augmented reality: Brief capability, deliverables and service offering
- Digital twins
- Blockchains and distributed ledgers
- Digital technology platforms

Automation

- Robotic Process Automation
- IoT
- Manufacturing robots
- BPO call center robots
- Chatbots
- Remote workers
- Hazardous jobs robots(Mine bombs, nuclear waste, underwater, space etc)

R&D services

- PHD mentor, buddy
- BPO - Outsourced work in areas of research areas related to IT and Computer Engineering

Engineering services (Only Engg)

- Engineering services for Data centers
- Engineering services for IT Departments
- Engineering architectures, drawings, road ways, town house planning, parking, safety, outdoor maintenance, lighting etc
- All other aspects of engineering: Civil, electrical, water and sewage, safety and mechanical motors, pumps, refrigeration, cooling

Mentoring Services

- IT Mentoring
- Engineering Mentoring
- Business Mentoring
- Mentoring for special categories based on age, and disabled
- Mentoring for special professionals like Military and Govt officials under Govt Programs

Data center services (Engg + IT)

- Data center Engineering services
- Data Center IT Services
- Data center Security services
- Data Center QA services
- Datacenter Cloud services
- Datacenter compliances services
- Data center based business solutions

Outsourcing

- Insourcing
- Outsourcing
- Near sourcing
- Cloud sourcing
- BPO services
- IT specific services
- Engineering specific services
- Training specific services

Our Technology Ecosystem - Hybrid/multi-cloud based

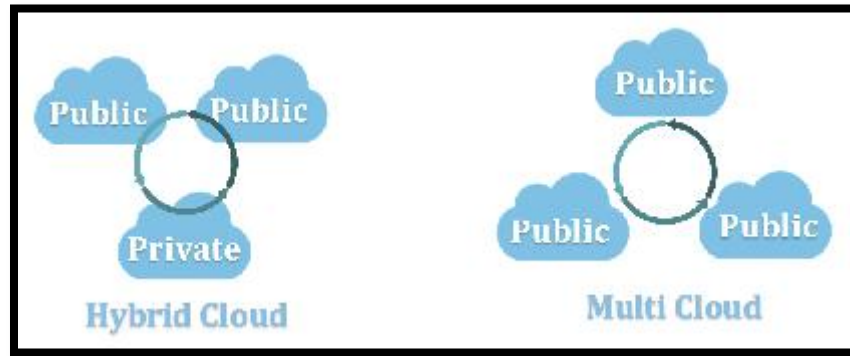


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We have a large set of tools and solutions; few are mentioned below with details tabulated. These are common, cross cutting products that work across or cross communicate with other types of cloud models

Hybrid/multi cloud category	Hybrid/multi-cloud Product /tool details (AWS, GCP, Azure etc)	Usage / Use case / ecosystem/ value adds
Public cloud in a Private network (Hybrid)	<ul style="list-style-type: none"> Azure Stack Hub AWS Outposts GCP Anthos Red Hat® Ansible® Automation Platform Linux® containers The Cloudflare product stack (web application firewall, load balancing, SSL, DNS) 	In this an in premise private cloud has a public network topology that makes most of the services available for internal user very easy to access
Private cloud in a Public Network (Hybrid)	<ul style="list-style-type: none"> AWS Outposts GCP Anthos Azure Stack Hub For DR use Actifio, or Commvault 	A public cloud is used as a private Network using isolations, end point terminations, and Non routable end points, DMZ zones with bastion host for external VPN Admin only access
Multi vendor Public NW (Multi cloud)	<ul style="list-style-type: none"> AWS Outposts GCP Anthos Apache HBase, Apache Beam, Redis, Network File System (NFS), JMS, Kafka 	A combination of two or more vendor products in the public cloud. Example is use of Azure for MS Office 365 and Salesforce SaaS apps in AWS public cloud. There will integration of all these SaaS / PaaS apps across public cloud boundaries with a central authority and DB with AWS provider

Multi vendor Private NW (Multi cloud)	<ul style="list-style-type: none"> • AWS Outposts • GCP Anthos • Azure Arc • Apache HBase, Apache Beam, Redis, Network File System (NFS), JMS, Kafka • For storage-intensive workloads integrate with a hybrid storage solution like Cloudian, Egnyte, or SwiftStack. 	A combination of two or more vendor products in the private cloud. Example is use of in premise- database in AWS with a VPN / SSL/ IAM role / Services based data connectivity with another region. Example is use of GCP Spanner for a global level DB access through private network only, no direct external connectivity, may be public cloud web tier has API calls that are routed to private NW for DB access
Multi vendor Public + Private NW (Hybrid, Multi cloud)	<ul style="list-style-type: none"> • AWS Outposts • GCP Anthos • Azure Arc • Use either the meshed, handover or gated topology. • ExternalDNS to make services discoverable by DNS name across computing environments • Open source monitoring systems such as Prometheus • The Cloudflare product stack (which includes a web application firewall, load balancing, SSL, DNS, and other crucial features) 	<p>A combination of two or more vendor products in the public, private cloud combination. An example might be to meet all types of employees, in-office, remote, work from home and mobile workers that need the flexibility of home office from anywhere across the globe</p> <p>In this various combinations, ACL, DMZ, Endpoint based REST services, VPN, CDN, Firewalls and many more features and configurations help in realizing the required flexibility</p>
Isolated private data-tier + Public web-tier network , multi vendors (Hybrid, Multi cloud)	<ul style="list-style-type: none"> • AWS Outposts • GCP Anthos • Azure Arc • Use either the meshed, handover or gated topology. • ExternalDNS to make services discoverable by DNS name across computing environments • Open source monitoring systems such as Prometheus • The Cloudflare product stack (web application firewall, load balancing, SSL, DNS) 	A combination of two or more vendor products in the public, private cloud combination. However special cloud network segments have ACL, Virtual private cloud, that enable required isolation between multi vendors and multiple access types and cloud models

Disclaimer: Few product details are sourced, from the web; we have no intention to infringe any text or web content.

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