

Variations in PaaS delivery models

PaaS comes in different shapes and sizes. If you're using a *public* cloud-based PaaS, the vendor shoulders the responsibility of managing the middleware software resources and the overall development and deployment environment. If you decide to create your own PaaS environment, your organization is responsible for maintaining the right level of service.

A public PaaS environment looks and acts very differently than your traditional development and deployment platform. For example

- ✓ Resources aren't delivered as software in PaaS. Instead the PaaS environment is hosted so the third party is responsible for uptime performance and software updates.
- ✓ The development and delivery of services lives in the cloud instead of in a single system.
- ✓ Middleware and services have no installation and configuration because they're an integral part of the PaaS platform.
- ✓ Because the PaaS is tightly coupled with IaaS services, it offers a consistent way to manage and optimize applications from development to deployment (DevOps).

A *private* PaaS environment also looks and acts differently than your traditional development platform. Large enterprises may implement well-designed patterns and best practices to achieve efficiency and productivity gains and reduce software development and deployment costs.



Increasingly software developers are becoming strategic partners for the business. To support this strategic role, development organizations are adopting new business practices including the following: