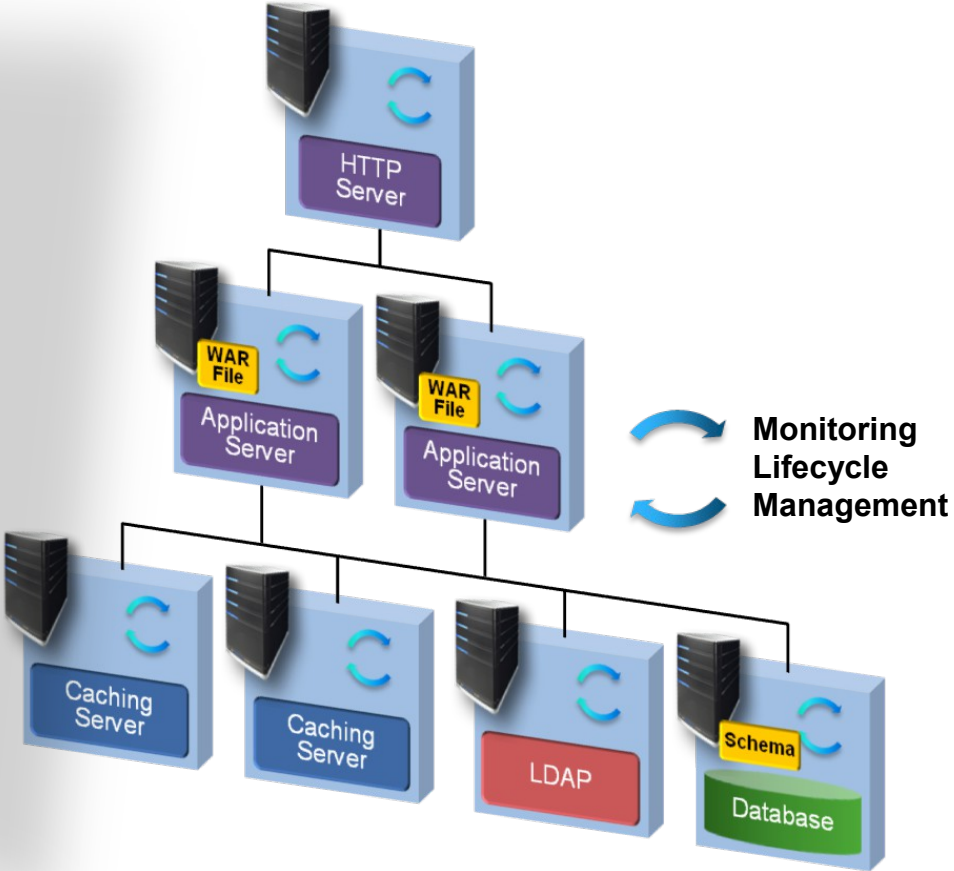
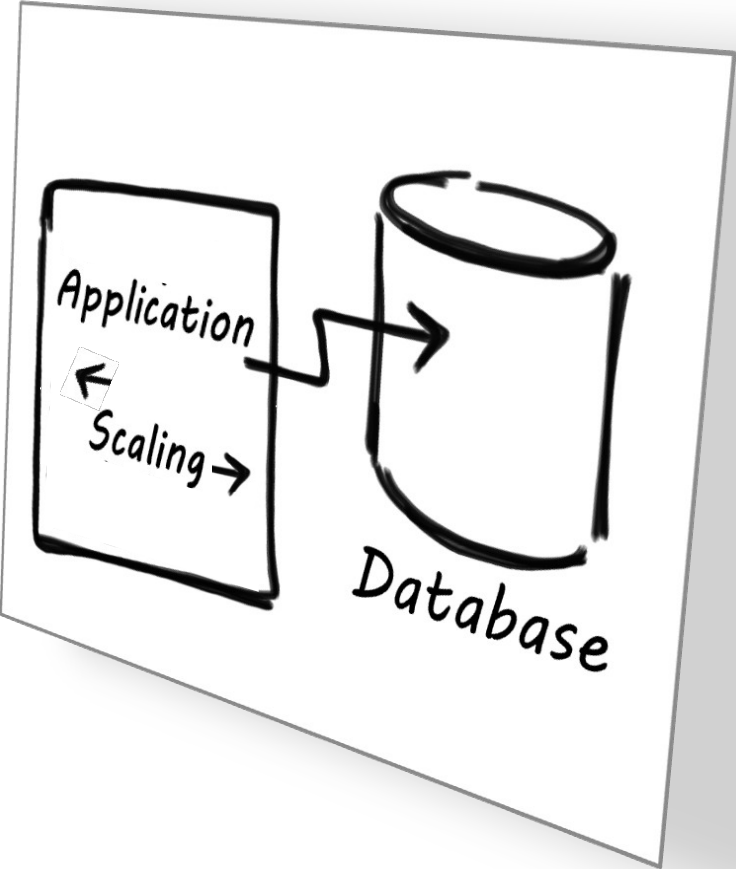
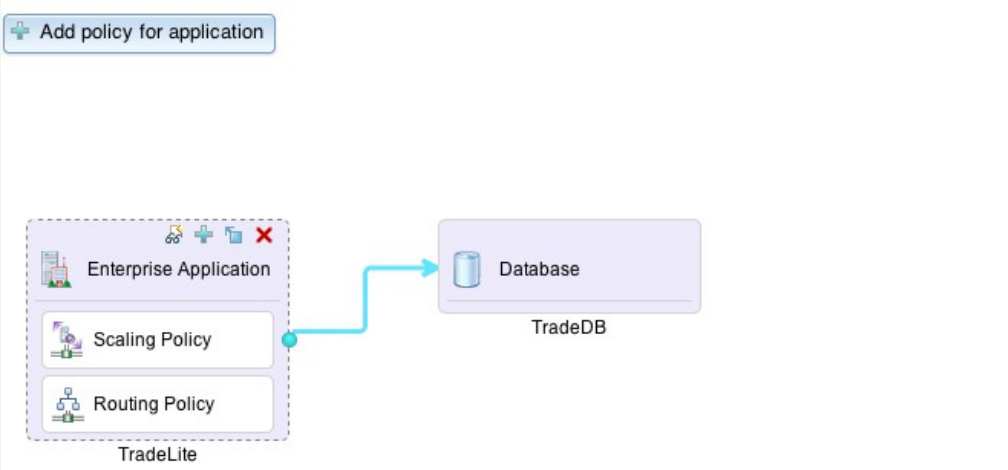


What the business wants...

What's required...



- Assets**
- Asset name
- Application Components
 - Additional archive file
 - Enterprise Application
WebSphere Application Server
 - Existing Web Service Provider Endpoint
 - Policy set
 - Web Application
WebSphere Application Server
 - Database Components
 - Data Studio web console
 - Database
DB2
 - Existing Database
DB2
 - Existing Database
Informix
 - Existing Database
Oracle ⚠
 - Existing IMS Database
 - Messaging Components
 - Existing Messaging Service
WebSphere MQ
 - Queue
WebSphere MQ
 - Topic
WebSphere MQ
 - OSGi Components
 - Existing OSGi Bundle Repository
 - OSGi Application
WebSphere Application Server
 - Transaction Processing Components
 - Existing CICS Transaction Gateway ⚠
 - Existing IMS TM



Enterprise Application
WebSphere Application Server

Name:

EAR file:
 Edit Delete

Total transaction lifetime timeout (seconds):

Async response timeout (seconds):

Client inactivity timeout (seconds):

Maximum transaction timeout (seconds):

Interim fixes URL:

Select

Ignore inapplicable ifix updates:

Maximum Session Count:

Scaling Policy
Web/Enterprise Application

Enable session caching:

Maximum Session Cache Grid Size:

Scaling Type

Scaling in and out when Web response time is out of threshold range(ms):
0 10000

Range: 1000 - 5000

Instance number range of scaling in/out:
1 50

Range: 1 - 10

Minimum time (seconds) to trigger add or remove:

Diagram | List View | Source

Save | Save As | Layout | Undo | Redo

Assets

Asset name

Application Components

- Additional archive file
- Enterprise Application
WebSphere Application Server
- Existing Web Service Provider Endpoint
- Policy set
- Web Application
WebSphere Application Server

Database Components

- Data Studio web console
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DB2
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- Existing Messaging Service
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- Queue
WebSphere MQ
- Topic
WebSphere MQ

OSGi Components

- Existing OSGi Bundle Repository
- OSGi Application
WebSphere Application Server

Transaction Processing Components

- Existing CICS Transaction Gateway
- Existing IMS TM

+ Add policy for application

Scaling Type

Response Time Based

Scaling in/out when Web response time is out of threshold range(ms):



Range: 1000 - 5000

Instance number range of scaling in/out: *



Range: 1 - 10

Minimum time (sec) to trigger add/remove: *

120

Enterprise Application
WebSphere Application Server

* Name:
TradeLite

* EAR file:
artifacts/tradelite.ear [Edit](#) [Delete](#)

Total transaction lifetime timeout (seconds):

Async response timeout (seconds):

Client inactivity timeout (seconds):

Maximum transaction timeout (seconds):

Interim fixes URL:
[Click select button to update](#)

Select

Ignore inapplicable ifix updates:

Maximum Session Count:

Scaling Policy
Web/Enterprise Application

Enable session caching:

Maximum Session Cache Grid Size:
UNCAPPED

Scaling Type

Response Time Based

Scaling in and out when Web response time is out of threshold range(ms):

Range: 1000 - 5000

* Instance number range of scaling in/out:

Range: 1 - 10

* Minimum time (seconds) to trigger add or remove:

Built-in Web Application Pattern delivers proven expertise

Auto Scaling

Managed environments scale up and down based upon business SLAs you specify

Failover

Failed virtual machines are replaced with new VMs which are configured with the old VM's identity

Load Balancing

Web requests are automatically load balanced across multiple virtual application servers

Security

ACL's for application sharing and management access, LDAP integration for application security

Monitoring

All components of virtual application environments are monitored by PureApplication System

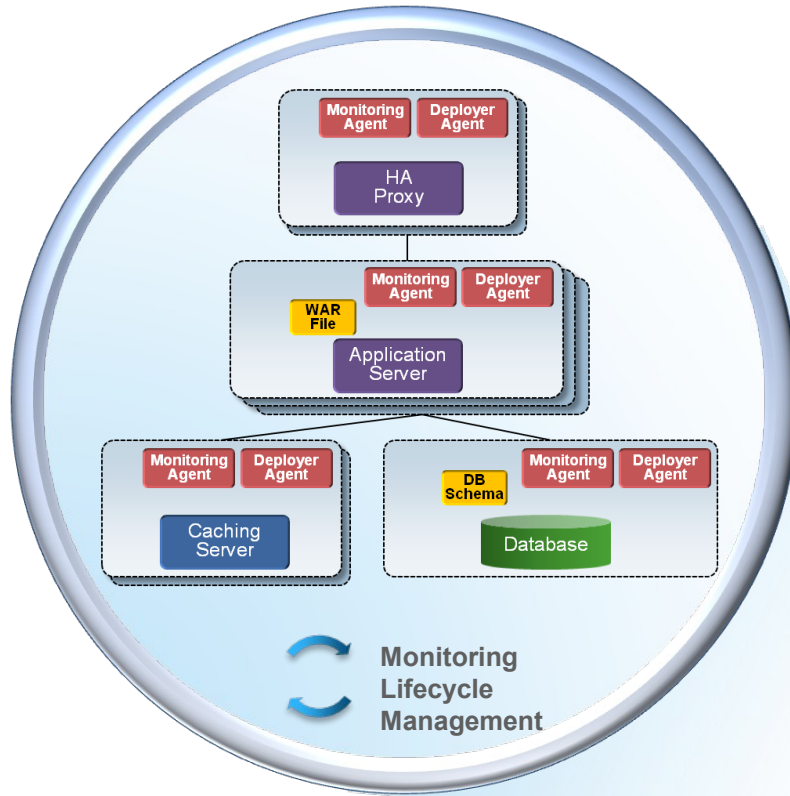
Lifecycle Management

Built-in components are pre-configured, tuned, and tested to enable efficient, minimal click deployment and single point of maintenance

Initiates a fully scalable Web Application

Deploy

Software application



IBM PureApplication System delivers value throughout the IT lifecycle *Driving efficiencies across these areas:*

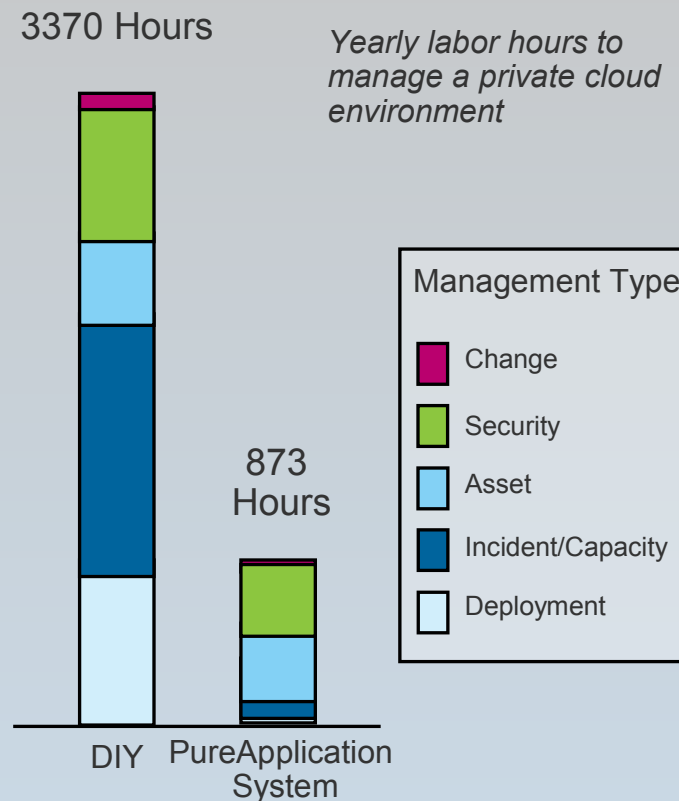
47% fewer deployment labor hours

Virtually eliminating these steps:

- Specify/design required servers
- Integration/configuration/testing of infrastructure software and middleware
- Application deployment
- Clustering and backup implementation
- Trouble shooting/tuning production environment
- Implementing hardware management environment



73% fewer management labor hours



PureApplication System Life Cycle Labor Savings Case Study

IBM PureApplication System Family: January 2013

▪ Expert Integrated Platform for Applications

- Compute, Storage, Networking
- Integrated application server & database middleware services
- Integrated management, monitoring & maintenance

▪ Built-in Expertise

- Infrastructure, platform, and application patterns
- Fault tolerant design
- Automated elasticity

▪ Flexibility & Growth Options

- Right-size and upgrade as business expands

• **NEW!** 32 & 64 core

- Lower environmental (size, power, cooling) ideal for Growth Markets, departmental, partners & development & test

PureApplication



Application Platform

Delivering Platform Services

Install, Config, Tune:

Up and running in **less than 4 hours**¹

Deploy:

Deploy a 3-tier web application in under **15 minutes**² and automatically scale in **minutes**³

Manage:

Concurrent management of **1000+ VM's** on a single W1500-608 system⁴

Optimize:

Up to **60% better price/performance**⁵ running typical web and DB applications (over a competitor's configuration)

Automatic throughput improvement of **up to 2.3X** for data intensive applications⁶

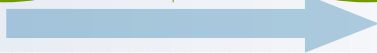


W1500-32

32 Cores
0.5 TB RAM
2.4 TB SSD
24 TB HDD

W1500-64

64 Cores
1 TB RAM
2.4 TB SSD
24 TB HDD



All configurations include:

- **Rack, Chassis, PDUs**
- **Networking** (Top of Rack, Chassis & Fibre)
- **Pre-integrated software entitled for full capacity of configuration:** OS, Hypervisor, application server, database, Java runtime, cloud provisioning, management and full stack monitoring



W1500-96

96 Cores
1.5 TB RAM
6.4 TB SSD
48 TB HDD

W1500-192

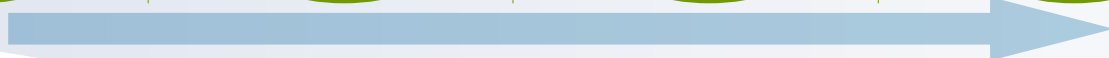
192 Cores
3.1 TB RAM
6.4 TB SSD
48 TB HDD

W1500-384

384 Cores
6.1 TB RAM
6.4 TB SSD
48 TB HDD

W1500-608

608 Cores
9.1 TB RAM
6.4 TB SSD
48 TB HDD



➡ Upgrade to larger systems *without taking an outage*

PureApplication System W1500: Pre-Optimized, Pre-Entitled Software

- “All you can eat” entitlement to run the following software on the full capacity of the purchased System
 - Full stack monitoring (hardware, OS, entitled middleware)
 - Virtualization & virtualization management
 - Virtual System Patterns:
 - IBM OS Image for Red Hat Linux Systems v1 (RHEL 64-bit v6.2)
 - IBM WebSphere Application Server Hypervisor Edition v7 with IMP (WAS 7.0)
 - IBM WebSphere Application Server Hypervisor Edition v8 with IMP (WAS 8.0)
 - IBM WebSphere Application Server Hypervisor Edition v8.5 with IMP (WAS 8.5)
 - IBM DB2 9.7 FP5 Enterprise Server Edition HV*
 - IBM DB2 10.1 Enterprise Server Edition HV*
 - Automation Framework HV (for migrating applications)
 - Virtual Application Patterns:
 - Java Pattern v1 (64-bit Java 7 SDK)
 - IBM Workload Deployer Pattern for Web Applications v1 (with WAS v7)
 - IBM Web Application Pattern v2 (with WAS v8)
 - IBM Transactional Database for Cloud v1.1 (with DB2 9.7 FP5 & 10.1)
 - IBM Data Mart for Cloud v1.1 (with DB2 9.7 FP5 & 10.1)

*DB2 ESE with options entitled:
• Storage Optimization
• Label-Based Access Control
• Optim Performance Manager