Docker and HPE
Accelerate Digital Transformation to Enable Hybrid IT

Steven Follis
Solutions Engineer
Docker Inc.
Containers are the “Fastest Growing Cloud Enabling Technology”
## The “Matrix from Hell” Breeds Complexity

<table>
<thead>
<tr>
<th>Static Website</th>
<th>Web Frontend</th>
<th>Background Workers</th>
<th>User DB</th>
<th>Analytics DB</th>
<th>Queue</th>
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Enterprises Need More than Containers, They Need a Container Platform

**App**
- Docker Engine
- OS
- Server

**Security**
- Threat Scanning
- Controlled Code Deployment
- Encryption
- Secrets Mgmt
- Image Mgmt
- Support for 3rd party security

**Governance**
- Role-based access control (RBAC)
- Policy Mgmt
- App Config Mgmt
- Forensic Image History
- Controlled Code Deployment

**Automation**
- Orchestration
- Built-in app reliability/High Avail.
- Policy-based automation
- Auto healing

**Support and Certification**
- Enterprise-grade support
- Certified Plug-ins and Infrastructure
- Certified ISV apps
- Certified professionals
An Enterprise-Ready Platform for All Applications on Any Infrastructure

Enable a uniform management and security model for any app across an infrastructure

Docker Enterprise Edition Platform

Cloud, VM, Bare Metal, Edge Device
Only Docker Enterprise Edition Delivers Choice, Agility, and Security

**Choice**
- Hybrid and multi-clouds
- Windows and Linux
- Traditional apps and microservices
- DevOps and existing ops processes

**Agility**
- Unified operations
- Rapid delivery and response
- Cost efficiency

**Security**
- Safer apps
- Governance
- Chain of custody
- Threat mitigation
Docker Delivers the Most Complete Migration Solution

1. **PLATFORM**
The only enterprise-ready container platform for Windows Server containers

2. **TOOLS**
Purpose-built tools for converting .NET apps to containers

3. **METHODOLOGY**
A validated methodology for containerizing legacy .NET applications

Docker helps your organization meet migration deadlines by providing a field-tested and validated methodology and plan for containerizing your legacy applications.
Across the Broadest Range of Strategic IT Initiatives

Modernize Existing or “Traditional” Applications (“MTA”)

- Cloud Strategies
  Avoiding lock-in

- Reduce Data Center Expenses

Faster Application Development and Delivery

- Modernize Software Supply Chain

- Secure Software Distribution
  To any remote office, customer environment, or device
Power Hybrid Cloud for Genomic Research

KEY CHALLENGES
Need to deliver IT to 800+ globally distributed labs with different research teams while maintaining data sovereignty

SOLUTION
Docker EE on hybrid cloud with HPE Synergy and multiple cloud providers

RESULTS
• Seamless application portability across hybrid and multi-cloud environment
• 60% cost savings with VM consolidation and better CPU utilization
• Centrally support container services to researchers around the world

"We run globally in any cloud, any bare metal - this is the way we deploy our work"

Peyton McNully, CIO
Ready to Start Your Container Journey?
Swing by Docker Booth 644 to talk about modernizing apps with containers

Docker Enterprise Platform

Results
✓ Hybrid cloud-ready apps
✓ 2x frequency of app deployments
✓ Improved app isolation and integrity
✓ 50% lower total cost of ownership
THANK YOU :}

商标 TM