

# Containers Enablement Solution

Transform Application Development, Delivery, and Management with Software Containers

**SIMPLICITY:** Container format allows building applications just once regardless of OS or drivers

**CONSISTENCY:** Reduce errors by moving apps from test to production as a unit, without change

**SCALABILITY:** Container orchestration automatically scales applications based on policy

**PORTABILITY:** Run applications anywhere containers services are offered, on-premise or in any cloud

**MODULARITY:** Split applications into smaller services for more granular and rapid updates

**AVAILABILITY:** Monitoring detects container failure and starts new instance automatically



## A Suite of Services for Containers Adoption

Software containers technology is revolutionizing the way businesses develop and deploy code. Delivering numerous benefits, such as rapid and error-free software deployment and the ability to 'write once, run anywhere', is causing its adoption to skyrocket. What was once an immature technology reserved only for the most innovative and skilled early adopters is now becoming a proven technology finding its way into more enterprise environments every day. However, despite the momentum behind software containers adoption, not everyone is ready to make the leap and many find their adoption strategy stalled.

## Overcoming Common Challenges

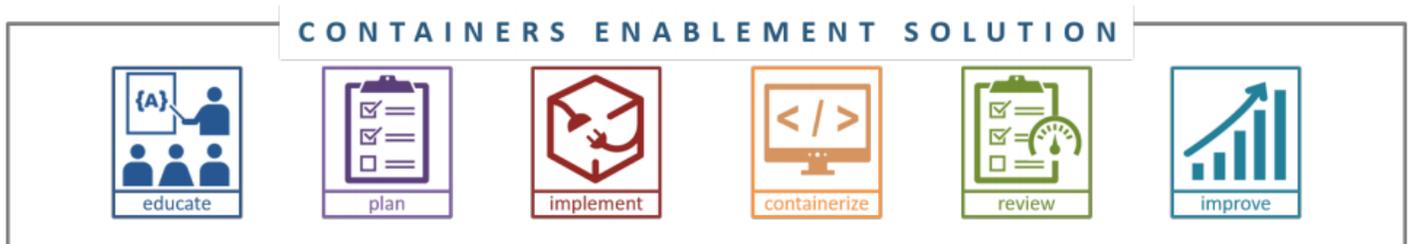
Software containers, like all transformative technologies, is more than just a tool. A production grade environment, one that delivers on its full business potential, should be thought of more as an ecosystem of tools, processes, and workflows, as well as the people who will use and operate the system. Consider the tools component alone. A fully functional containers platform is made up of a collection of technologies each serving a specific function but working together to create a smoothly running platform. A typical containers platform will include technologies to host and run the containers, an orchestrator to deploy and manage them, security tools to inspect and protect running containers, and monitoring, logging, and dashboard tools to maintain a watchful eye. Deciding which tools are right for your environment can be a daunting exercise in itself. Once decided, does the organization know the best way to implement and configure those tools to create a containers platform that realizes its full business potential?

Tools selection and implementation is just one of the phases that organizations must address as part of the technology adoption journey. In the case of containers, we have to consider the methodology and techniques for writing applications for the new platform. Does the organization know which applications can be refactored to be container-friendly or how to write new applications designed specifically for containers? There are many organizations that have already implemented their containers platform and are deploying applications on it

but have reached a limitation or roadblock. This can occur when, for example, the original implementation was designed to satisfy a particular use case. While the original implementation met its specific objectives, its tailored configuration makes it difficult to be leveraged by other groups and their use cases, which often results in rework or (more likely) a parallel 'version 2' implementation that applies lessons learned from the original platform.

## How the Containers Enablement Solution Helps

The Containers Enablement Solution is comprised of a set of services intended to help customer that are just starting to consider containers technology or those that are already adopting containers but looking for assistance in taking their environment to the next level.



### Getting Started...

For customers just getting started, the solution offers services that get different teams and roles aligned from a knowledge standpoint. Subsequent services assist our customers in identifying business opportunity and justification, strategy, and planning as well as accelerated implementation services for rapid time-to-value.

### ...or Getting Better

For customers already leveraging containers, the solution includes services for helping to containerize applications, identify opportunities and create prescriptive plans for improvement or to help expand and integrate the existing implementation with other systems depending on the customer's needs.

## Starting at the Beginning: Enablement Workshop

We offer an interactive, on-site, 1-Day workshop for organizations interested in software containers but lack a consistent level of understanding across the organization. The workshop offers a structured approach to educate different roles on the technology and how it might be applied in the environment. It offers an in-depth view into containers technology and, as an interactive session, how containers might work in your environment. The workshop is intended to include both technical and business roles, that will act as project sponsors, stakeholders, and contributors likely to be involved in the planning, deployment, and adoption of software containers. The objective of the workshop is to provide a consistent level of understanding to a diverse audience to provide better technical alignment, which in turn facilitates cross-organizational planning. The Enablement Workshop covers a broad set of topics relating to the containers ecosystem including images, orchestration, monitoring, and security with a focus on Docker and Kubernetes. The workshop includes demonstrations to support the concepts and show the technology in practice.

## Opportunity & Planning: Readiness Assessment

Your organization has formally decided to introduce software containers technology into the environment but where do you begin? Who will use containers, how will they use them, and how will the business value be measured? Will your existing tools, workflows, and processes support containers? How will environmental factors affect the design and its deployment? Our Container Readiness Assessment is designed to give your organization the information it needs to properly plan and prepare for the implementation of the software containers ecosystem, ensuring its done right the first time. The assessment offers detailed analysis of existing business and technical factors that affect containers adoption and provides detailed recommendations for driving a successful deployment that avoids otherwise unforeseen pitfalls. The service pays for itself by mitigating risk and minimizing the need for costly reengineering in the future.

## Rapid Time-to-Value: Platform Accelerator Service

With business justification in hand, your organization is eager to implement software containers in a limited deployment, satisfying a specific use case, in order to evaluate and prove its benefits and business value first hand. That excitement can quickly fade when you realize the amount of work required to evaluate and select the right technologies and then to properly install and configure them to achieve the desired results. The Containers Platform Accelerator service offers a simplified approach to getting practical, hands-on experience with software containers. The service is intended for greenfield environments that have either not yet implemented containers technology or have only done so in an experimental manner. The implementation accelerator service leverages industry-leading, best of breed technologies (Docker & Kubernetes) installed and configured using proven best practices applied towards your environment and requirements of an identified use case.

Using this implementation, we guide and assist you through the process of containerizing an existing application and thus enabling the organization to understand how containers work in real terms and immediately realize their business benefits.

## Transforming Your Apps: Containerization Service

Software containers offer significant benefits by nature but optimum value is realized when the applications or services they host are written specifically for them. We offer the Containerization Service to assist customers in building new applications for containers or adapting legacy applications into a container-friendly format. Our consultants work sideby-side with your development team to examine application architectures and determine the optimal designs to leverage the full capabilities of containers. This often involves building new applications using a microservices approach or deconstructing existing applications to separate individual services (decoupling) where possible. Our consultants, applying their container design experience, will guide and assist your team on how to apply design principles that take advantage of software container packaging and management. The standard program includes assistance with one (1) new application and one (1) legacy application to serve as use cases.

### Diagnosing the Environment: Optimization Assessment

For those customers that are well along in their containers adoption journey, we offer the Containers Optimization Assessment. Our consultants work closely with your team to understand your current challenges and assess how the organization is currently leveraging containers and methodologies for developing applications to run within them. We analyze the data and assess for gaps against industry best practices and business goals specific to your environment to identify opportunities for improvement along with prescriptive recommendations for remediation including such level of detail as to allow the customer to implement the recommended changes.

### Improving and Expanding: Custom Consulting Services

Whether you are looking to overcome existing challenges in your environment or expand the containers platform, we have experienced consultants to assist in moving your containers adoption forward. Our consultants can help you integrate the container platform into additional workflows or expand into more environments allowing your business to realize additional value from containers. Whether you seek to provide different roles a common understanding of containers or looking to improve an existing implementation, we have a service to ease your transition into containers technology.

## Next Steps

To learn more about how InterVision can help you successfully deploy and adopt containers in your environment, visit <http://www.intervision.com> or contact your InterVision sales representative.

InterVision helps customers optimize IT infrastructure, better manage risk, & gain a competitive advantage with IT integration and broad capabilities.