Containers Readiness Assessment

A Methodical Approach to Identifying Business Opportunity for Containers and the Right Path to Get There

VALIDATION: create your container strategy from detailed analysis of existing apps and methods that justify the real business opportunity

RISK MITIGATION: examination of the current environment identifies potential challenges and factor into planning in advance

PREPARATION: understand the steps, effort, and cost of introducing containers from the logical design included in the assessment

Containers Strategy & Planning Driven by Business Opportunity

Deciding whether your business is ready for containers and how to introduce that technology can be a difficult process. The potential business value that can be realized from containers technology determined by the applications that will use them. Does the business know which current applications are compatible with containers? Are current development methods and deployment processes suitable for containers and if not, what steps are needed to make the transformation? Our Containers Readiness Assessment service offers our customers an in-depth view into their current environment from a containers adoption perspective and comprehensive recommendations for starting the journey.

Indentifying the Right Path to Containers

The success of any adoption program begins with having a strong plan that ties the technology to the business. The assessment service starts by identifying business objectives, which will serve as goals for adopting containers and provide a target state from which to measure success of your containers initiative. For containers to deliver business value is dependent upon having applications that can use them. The assessment dives into a set of applications by focusing on their architectures, the infrastructures they run on, and their development practices to determine the appropriate approach and effort to adapt them for containers. This enables the business to quantify the real opportunity for containers before making any investments. Validating whether the business is ready for containers is just the first step. The Containers Readiness Assessment service also provides the customer with an overarching strategy for containers that is specific to their environment and the recommended steps to realize that vision. It includes a tailored design for a proof-of-concept containers platform and guidance as to what applications to containerize first and the methods for doing so. The breadth of the assessment provides a strong foundation for your containers adoption program plan and accelerates your containers initiative

Inside the Containers Readiness Assessment Service

Our comprehensive **Containers Readiness Assessment** is intended to provide you the information required to determine the real opportunity for containers in your environment and the strategy and steps for realizing those benefits. Achieving this result requires inspection of both the business and the applications that may be candidates for the new platform and our expert analysis to produce the right strategy, roadmap, and design best aligned to your environment.

Business Factors

Technology exists in the environment to support the business and as such, the introduction or expansion of any new technology, such as containers, must align with and support the objectives of the business. The assessment looks at the business drivers for adopting containers and potential challenges in the environment that may inhibit its success if not accounted for. This section of the assessment sets the goals for containers and its target state while identifying potential risk to help the customer in their business justification and planning.

Application Landscape

The opportunity for containers to deliver immediate business value lies in the application architectures and their development methodologies. Containers are most effective when used to deploy applications that are written for them. The more compatible an organization's application architectures and methods are with containers, the faster the business can realize the benefits of that technology. The assessment service focuses heavily in this area to understand the true business opportunity for containers as well as the effort and recommended approach to make the transformation on an application by application basis. The assessment looks at the following application characteristics:

Architecture	logical architecture | dataflows | language | OS | runtimes
Build & Packaging Methodology	compilation & artifact generation | environment preparation
Deployment Process & Tools	deployment model & tools | configuration tools
Monitoring/Logging/Dashboard	monitoring attributes & thresholds | logging & dashboard tools
Security	compliance & regulations | static security | runtime security protection
Infrastructure Networking & Storage	compute nodes | networking | storage
Applications Summary	containerization effort | containerization method

NOTE: our consultant work with the customer to choose the applications to consider as candidates and assess for containerization opportunity.

Strategy

The assessment includes our vision of how containers technology adopted in your environment. It represents a vision of how containers can drive the most business value, where focus should be applied over the course of time and where challenges need to be considered and suggestions for addressing them.

Design

A logical design is provided that represents the high-order components of the initial containers platform implementation, which may service as a proof-of-concept or beginning seed of the production system, depending on the environment and most appropriate approach for the specific customer. The design considers both on-premise and public cloud infrastructures and recommended tools and logical configurations that will represent the platform.

Roadmap & Next Steps

The assessment concludes with our suggested steps for applying containers to achieve the stated business goal based on identified use cases, environmental factors, and requirements, which can be leveraged towards developing the formal implementation project plan when applicable.

How the Assessment Service Works

The **Containers Readiness Assessment** uses our proven engagement methodology to ensure a high-value result. The detailed discovery is performed at our customer site via a series of collaborative workshops with subsequent analysis and report development performed remotely. The interactive readout of our findings and recommendations may be delivered either at our customer's site or performed remotely via a web conferencing session. The duration of the engagement is generally 3-4 weeks but can vary depending on the number of applications the customer would like analyzed as candidates for containers.

DISCOVER — ANALYZE — ASSESS — RECOMMEND — DELIVER

Validate and Plan for the Benefits of Containers

Why invest time and effort into integrating a new technology without a validated, business-aligned plan? Our **Containers Readiness Assessment** service gives you the data you need to determine the true business opportunity of containers in your environment, an assessment of what it will take to achieve those objectives, and a strategic plan and design for doing so. Execute your containers adoption program the right way, the first time, by identifying opportunity and addressing risks up front.

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.