



VELOCITY: A 21ST CENTURY ENTERPRISE **SDI** **FRAMEWORK** FOR THE SOFTWARE DEFINED ORGANIZATION

SDI FOR NEXT GEN ENTERPRISES

To thrive in today's complex business environment, global organizations are fast adopting DevOps approach and a hybrid cloud model. For such organizations programmatic capabilities of SDDC has become a real requirement. Again, enterprise users & customers want IT to deliver agile, outcome oriented & experience centric services, which is possible only if the underlying infrastructure is abstracted by an intelligent software layer that enables automation, faster go-to-market services. This leads to development of SDI.

SDI is the next disruption in the IT landscape that essentially disaggregates the software and hardware resources to enable more agility, predictability and manageability in the infrastructure environments. SDI is not merely an infrastructure tweak, but a radical concept that is completely transforming the way IT is consumed.

SDI OUTCOMES



ABSTRACTION

Reduces hardware dependencies and enables faster delivery and service upgrades



AUTOMATION

Drives efficient operations and more effective hybrid cloud resource management



PROGRAMMABILITY

Easier to create architectural changes



STANDARDIZATION

Provides Service Catalog, Billing and metering



SERVICE ORIENTATION

Allows for quicker delivery and enhances go to market strategy

THREE PATHS TO SDI

There are multiple ways to achieve SDI benefits across IT landscape. Though there is no one size fits all, from HCL's point of view there are three ways to achieve this.

Parts of packaged solutions with own storage or networking components

Build components of SDI in step wise manner



Select your own environment and solutions components from the portfolio of various hardware, software vendors and open source

All components for an SDI into a single deployable unit

CUSTOM SDI

- Compute virtualization
- Automation
- Network virtualization
- Storage virtualization
- Low risk, low cost self paced approach

BUILD SDI

- Lower cost
- Pick your own components and add new technologies on your timelines
- Interoperability/Upgrade impact
- Internal resource investments

BUY SDI

- Faster time to market
- Single vendor solution
- Higher cost
- Lock-in & high reliance on vendor for system
- Upgrades & technology enhancements

HCL VELOCITY FRAMEWORK

HCL Velocity is a holistic SDI framework which delivers across People, Process and Infrastructure. The framework assesses the current landscape i.e. infrastructure, available skill sets and existing processes and maps the outcomes to the organization's strategy and objectives.



People

Objective: Silo to Blended

- Organizational strategy & structure
- Roles & Responsibilities
- Flexible skills & staffing to support multi-modal functions
- Organizational change

Process

Objective: Manual to Automated

- IT Service Management
- IT Operating Model
- Governance, Risk & Compliance
- Dev/Ops - Continuous
- Integration & Deployment

Infrastructure

Objective: Legacy to Modern

- Software Defined Compute, Storage and Networking
- Cloud Management Platform
- Best Practices
- Faster time to market

Empowered by VVD 4.0 certification, Velocity is rigorously tested hence uncertainty and errors are reduced in turn significantly lowering downtime. Velocity also incorporates HCL's DRYICE autonomies framework for efficient SDI management. This ensures several business benefits to enterprises such as accelerated time to market, increased efficiency, de-risked deployments and operations and driving IT agility.

VELOCITY ADVANTAGE

1	Experience centric	A self-service, Self healing infrastructure which enables customers to focus on application delivery rather than underlying infrastructure, thus enhancing the experience.	
2	Policy driven Automation	Define and create your own workflows and enable more granular policy enforcement on the infrastructure.	
3	Programmable Infrastructure	SDI moves intelligence from underlying hardware to software. There by making the infrastructure more programmable and agile.	
4	Service oriented	Process and integrations that are defined top to bottom, enabling service based view and consumption of various services exposed.	
5	Analytics Based Agile Operations	Operations driven and controlled by analytics to provide hindsight, foresight and insight and enable efficiencies including faster/ proactive remediation.	

HCL ADVANTAGE

- One of only 2 enterprises globally to have VVD 4.0 certification.
- Extensive domain expertise
- Access to VMware deployment tool kit and development guides
- USD 15 Mn+ investment in SDI lab to demonstrate SDI use cases
- Dedicated SDI Center of Excellence with certified resources
- Strategic Alliance partnerships including: Dell EMC, IBM, CISCO, VMware, Nutanix
- Upto 30%* TCO reduction over traditional solution
- 34 Successful POCs, Customers & counting**

*Under standard design and reference architecture guidelines
 **As of Jan 2017

SUMMARY

SDI completely changes the Information Technology consumption model by essentially programming IT infrastructure. SDI enables today's Enterprise Organizations with the ability to support disruptive, new age business functions and revenue generators and provides a completely new planning, managing and provisioning approach to cloud native and digital application infrastructure.

HCL's VelocITy SDI framework is the perfect way to achieve your 21st Century business transformation objectives with a trusted partner.



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