

# Next Generation Hybrid Software Defined Data Infrastructures Are In Your Future

*Big Picture and Industry Trends*

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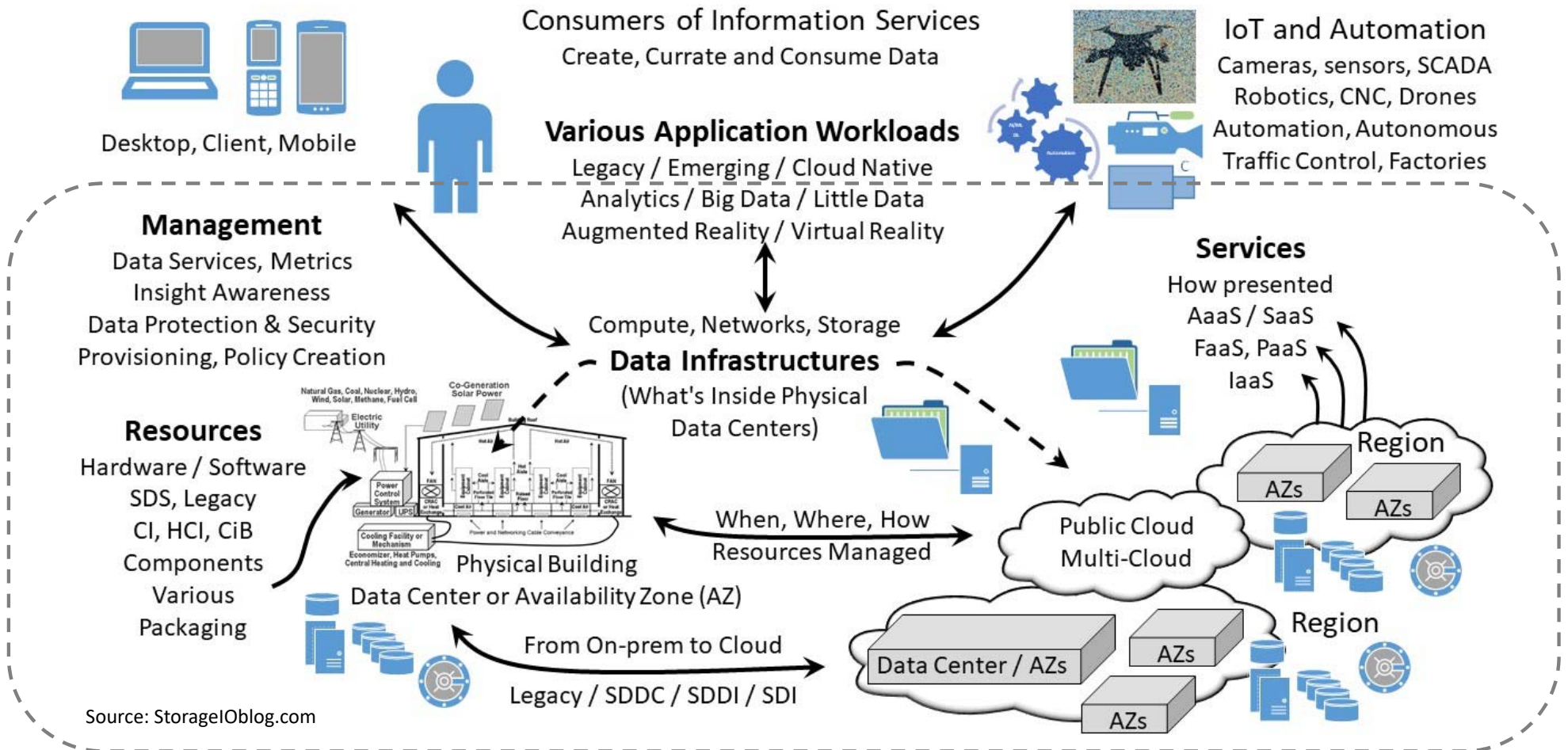


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# Industry Trends – Software Defined Data Infrastructures

Focus of Data Infrastructures is to support information services delivery



Source: StorageIOblog.com

# Industry Trends: Software Defined Data Infrastructures

Various Layers of Abstraction, Functionality, Encapsulation and Portability

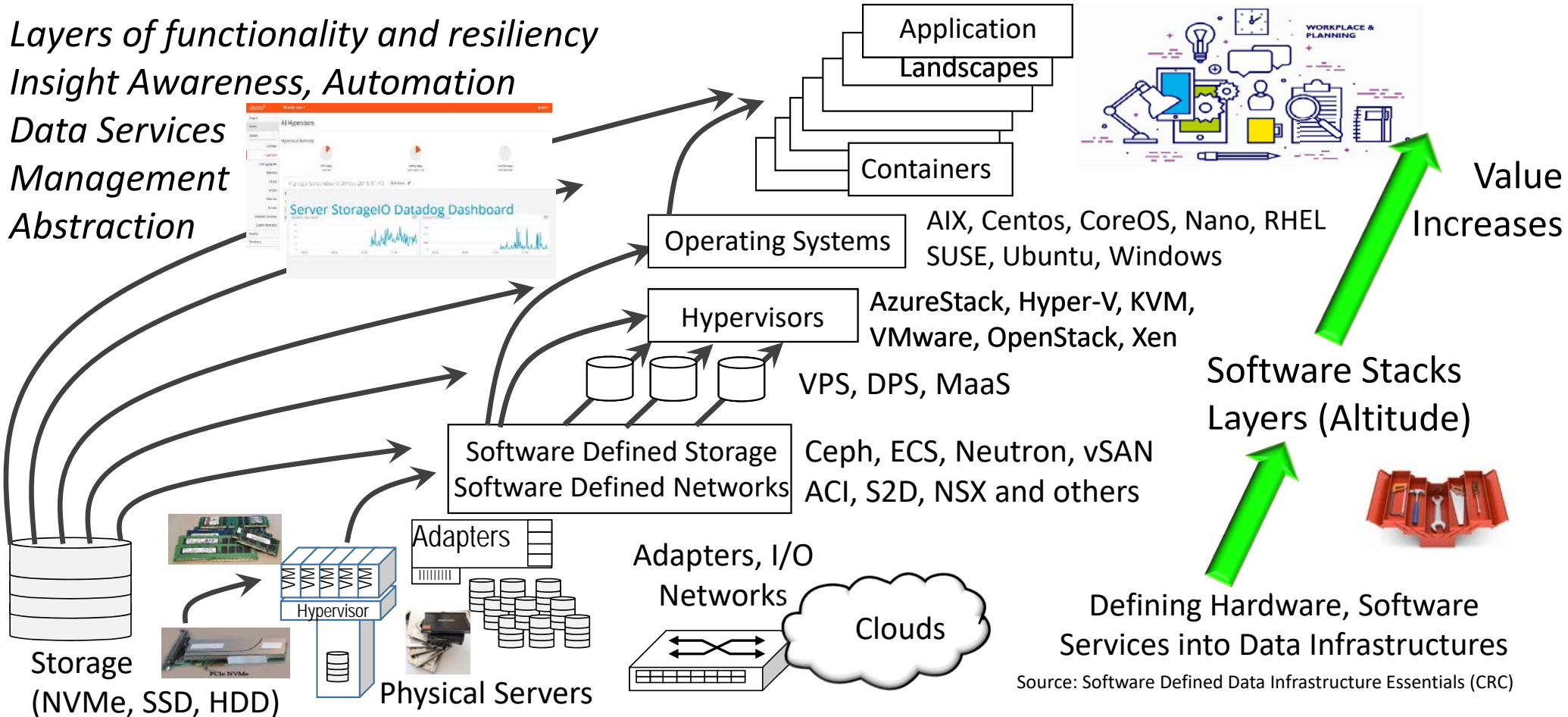
Layers of functionality and resiliency

Insight Awareness, Automation

Data Services

Management

Abstraction



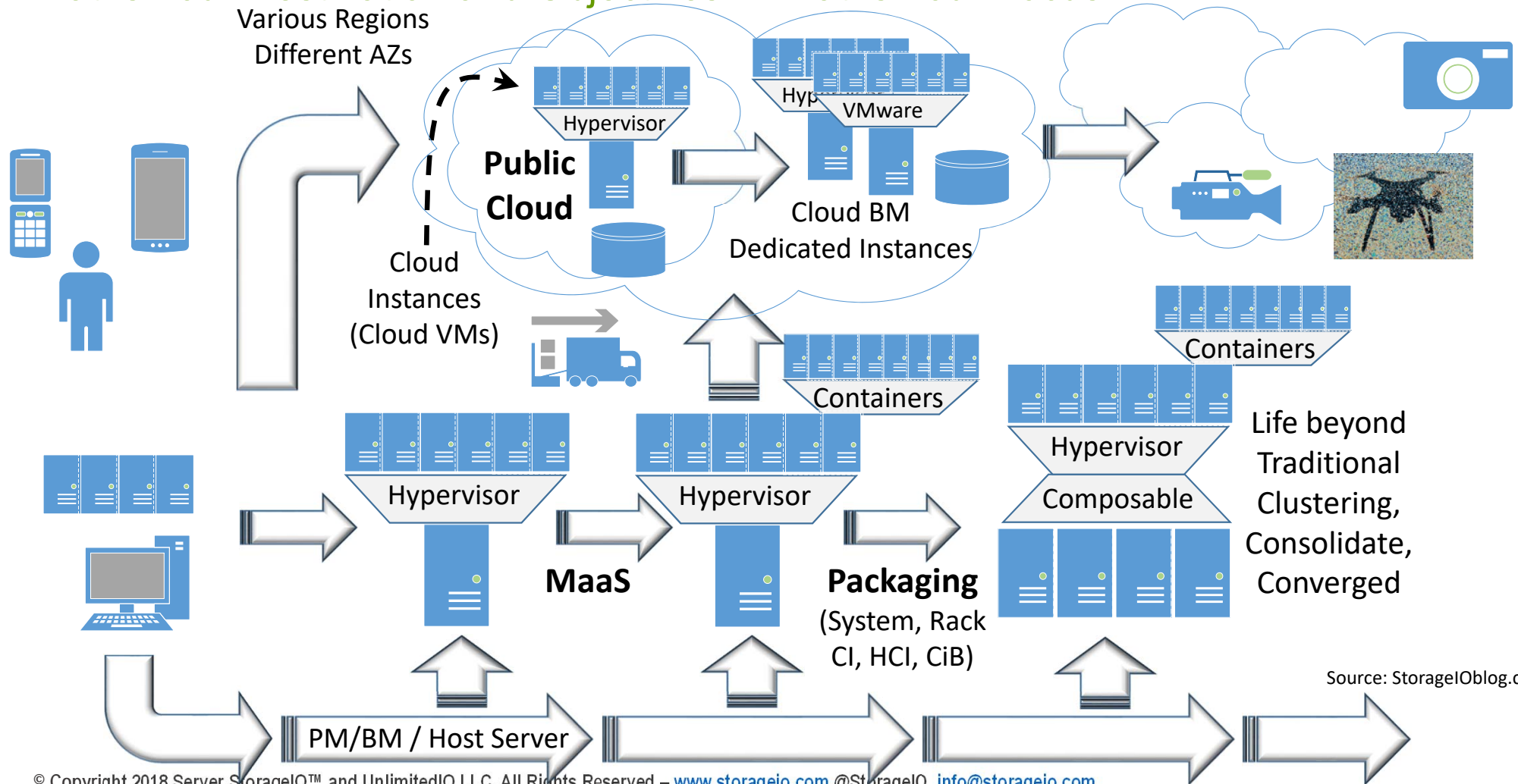
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# Industry Trends: Hybrid and Multi-Cloud Data Infrastructures

What Is Your Destination and Objectives? What Is Your Focus? Different Public Clouds



Source: StorageIOblog.com

# Preparing For Our Wrap-up (landing) – What can you do today!

IT has been on a journey for decades, IT will continue to be on journeys for decades

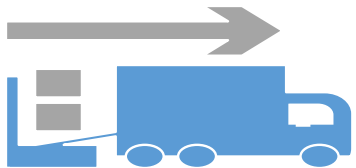
*Head in the clouds (vision, strategy), Feet on the ground (plan, implement, manage)*

## Head In the Clouds



- ✓ Don't be afraid, be prepared, do your homework
- ✓ Expand your tradecraft, skills, experiences
- ✓ Identify your concerns and questions
- ✓ Ask new and additional questions
- ✓ Talk with others today

- Understand your needs, know your options
- Establish metrics to compare and optimize
- You need to know (have insight into)
  - Where you are going, what you have
  - When you are there, what is needed
  - Service management, how performing
  - Avoid flying blind...



- ✓ Learn the technology and techniques to use them
- ✓ Plan what you need to take with, what to leave behind
- ✓ What resources (HW, SW, people, services) are needed
- ✓ What needs to be converted or adapted to the destination
- ✓ Reduce your footprint, travel light, bulk ship things if needed



## Feet On The Ground



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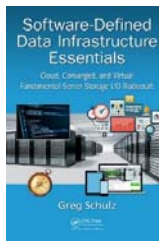
# Next to closing comments – What to keep in mind

## Next Generation Hybrid Software Defined Data Infrastructures Are In Your Future

- ✓ Role of data infrastructures is to protect, preserve, secure, serve information
- ✓ Only you can prevent data loss and downtime, cloud is a shared responsibility
- ✓ How will you bulk move data to cloud (Internet, direct connect, bulk shipment)
- ✓ Leverage IAM/AAD/AD and related access, authentication controls
- ✓ Expand focus from utilization and efficiency to effectiveness and productivity
- ✓ Shift from cost cutting, to removing complexity and cost to support scale
- ✓ Instead of low cost, look for increased value, return on innovation
- ✓ Best technology, tool, technique, trend is the one that works for you
- ✓ Enhance, refresh, update your tradecraft skills, get ready for change
  - *Invest in your future including beyond current focus area*



Automation  
AI/ML/DL



Tradecraft (Skills)



Tools

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# Closing comments, for now...

Everything is not the same, use right tool, technology technique for task at hand

## Expand your Data Infrastructure Tradecraft Experiences

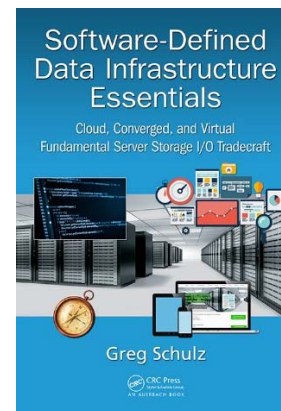
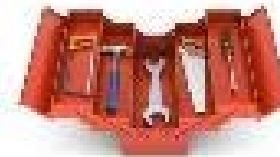
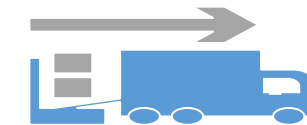
- Everything is not the same, why treat everything the same?
  - ✓ Avoid flying blind, have awareness into adjacent technologies
  - ✓ Understand context of topics, terms, technologies, techniques
- Software Defined emphasis should be on “Defined”
  - ✓ How “things” defined, composed, crafted, programmed for an outcome
  - ✓ HW needs SW, SW needs HW, serverless and clouds needs HW & SW
- What you can do today:
  - ✓ Learn lessons of past to prevent future mistakes

## Where to learn more

- Various sessions today
- [www.storageio.com](http://www.storageio.com) (articles, videos & webcasts)
- [www.picturesoverstillwater.com](http://www.picturesoverstillwater.com) (drone videos including 4K)
- Feel free to call, IM, tweet, or email [greg@storageio.com](mailto:greg@storageio.com)

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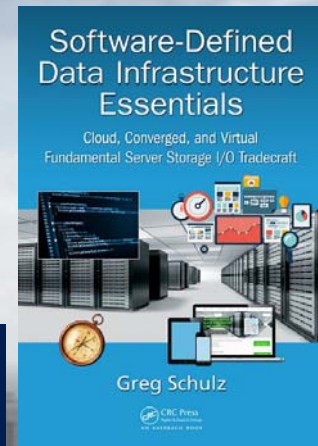
*Thank You*



September 13, 2018



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Independent experts. Real world answers.



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