## Managing the Mainframe: The Ultimate Private Cloud

CA 3Tera AppLogic
CA VM:Manager Suite for Linux on System z

Presenter: Vince Re



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#### The Mainframe and The Distributed Cloud

- Mainframers have been using virtual machines, time-sharing, and managing multi-tenancy systems for years.
- But how does the Mainframe fit into the Cloud?
  - Manage the deployment of a composite application one that spans multiple platforms
  - Employ the same resources to build multi-tiered applications for distributed and mainframe (using the same tools)
  - Reduce costs and time to roll out new, scalable, elastic applications on the mainframe by unifying deployment teams
  - Standardize workloads, maximize re-use of application components
  - Increase speed of provisioning applications that run on Linux on System z or span platforms
  - Allow movement of Linux-compatible workloads between distributed and zEnterprise environments



### cloud



Scalability, Virtualization, Elasticity, On-demand Provisioning, Multi-tenancy, SLA Management, Charge-back and Billing





# **CA 3Tera AppLogic** what is it?

CA 3Tera® AppLogic® is a turnkey cloud computing platform that enables enterprise customers to quickly provision, deploy, and manage cloud applications and supporting infrastructure.

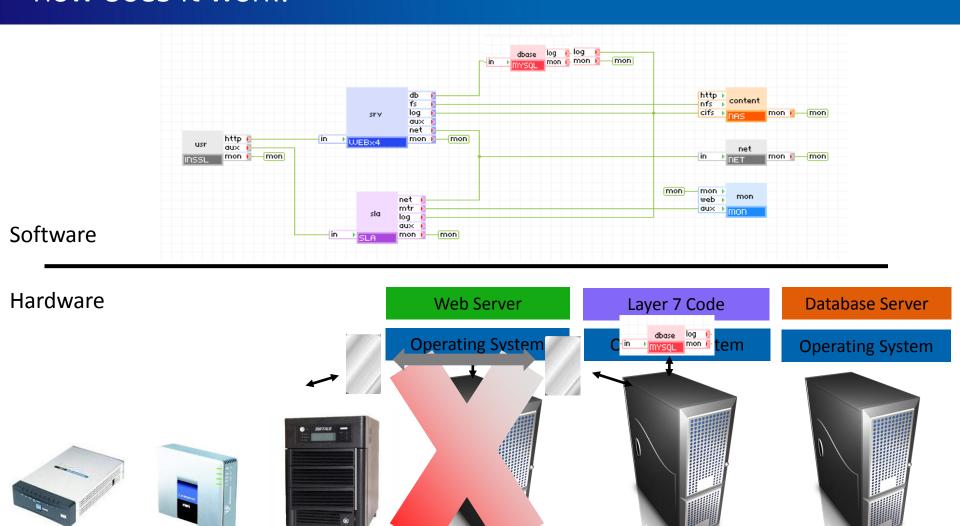




# **CA 3Tera AppLogic** how does it work?

Router

6



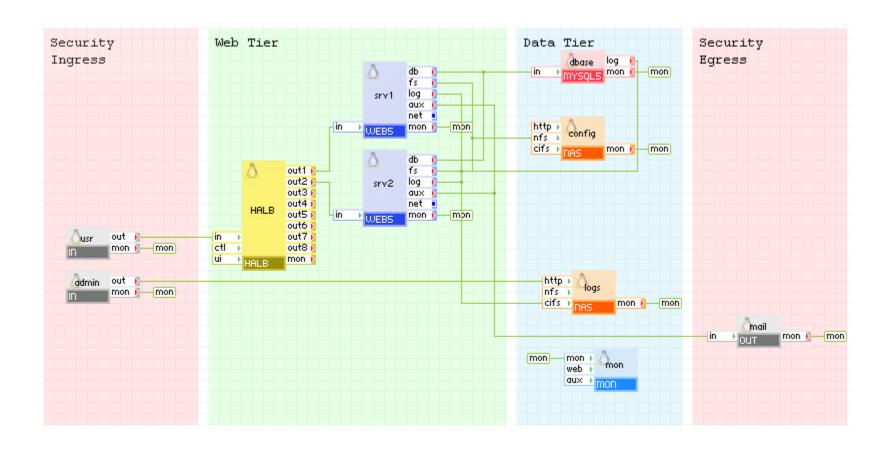


Servers

**SAN** 

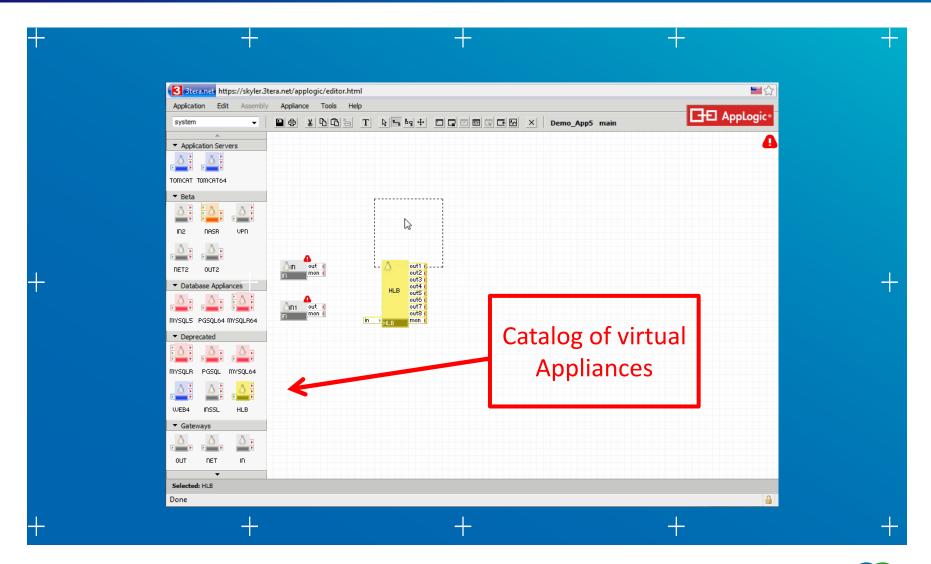
Gateway

# CA 3Tera AppLogic more than virtualization



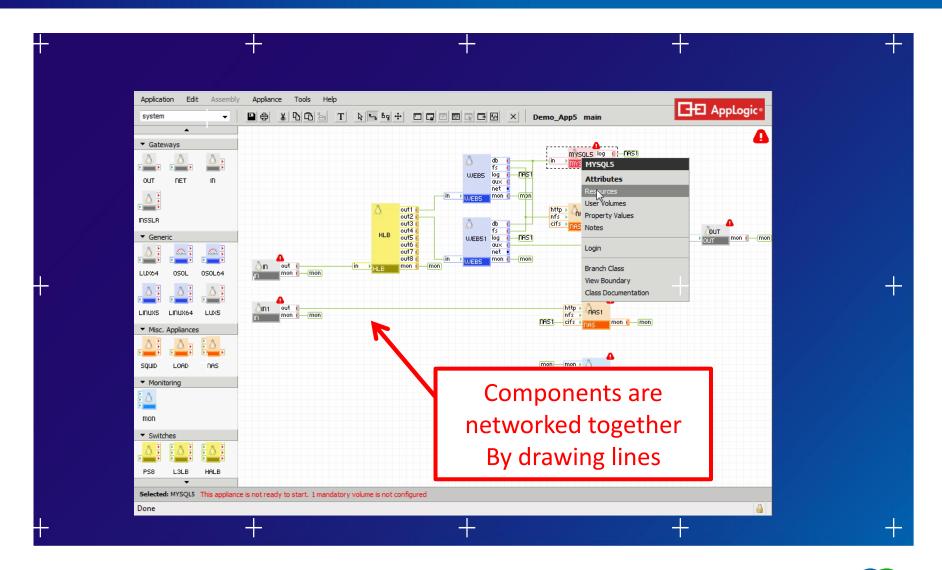


## In the Virtual Data Center...



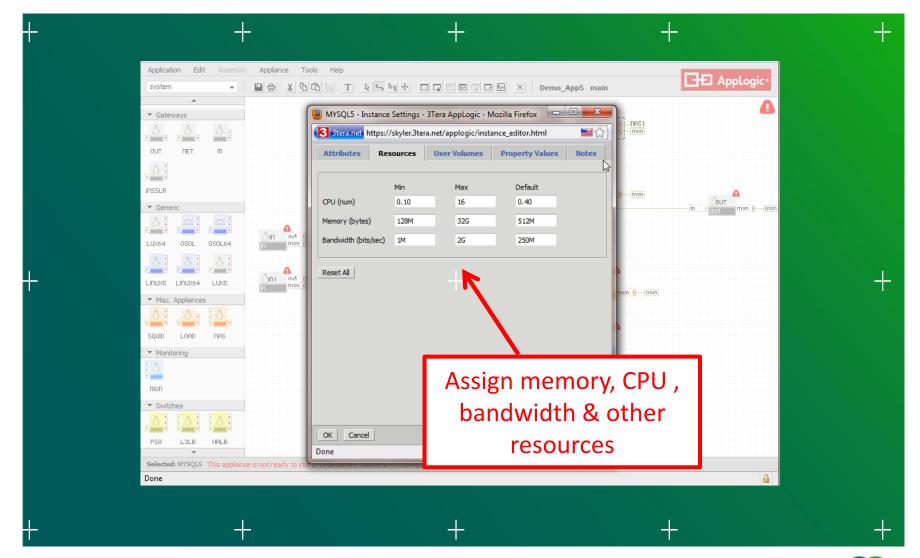


## Create networking, configure components...



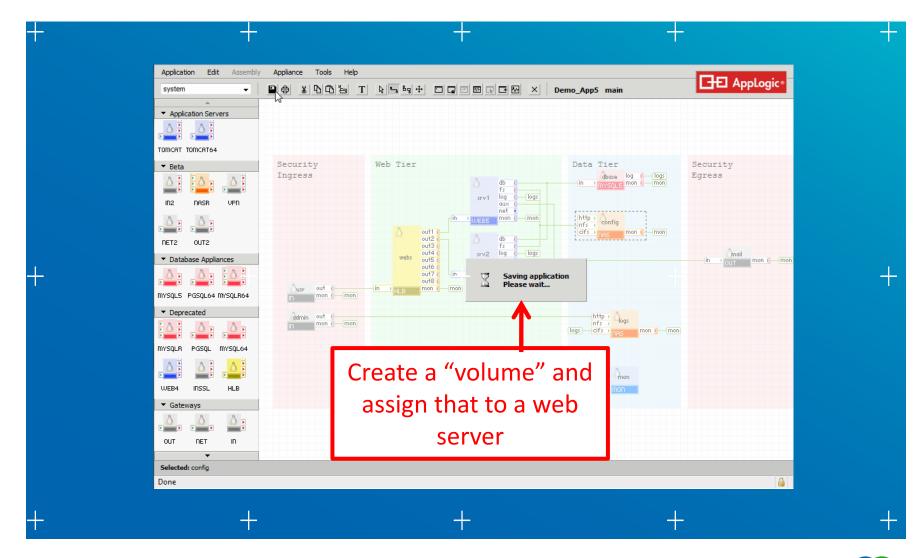


## **Provide Resources to Components...**



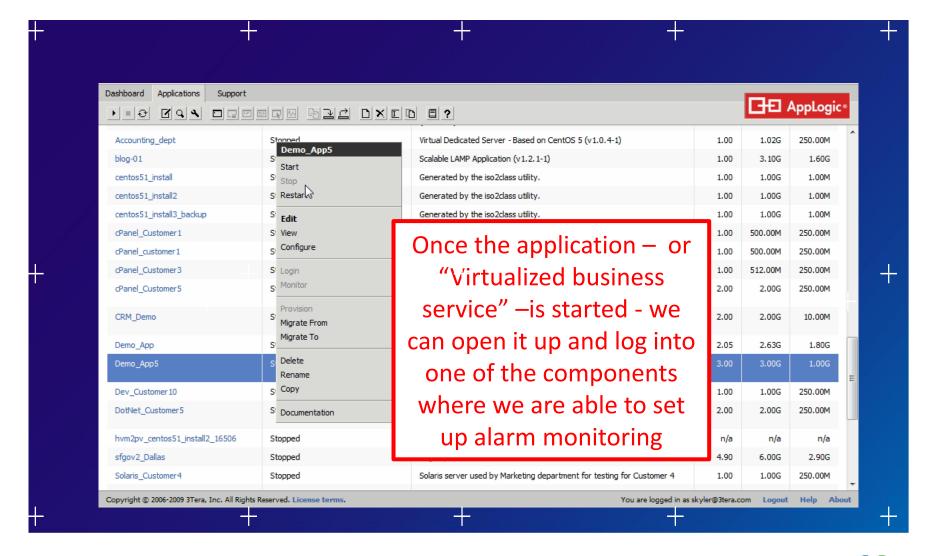


## Create a Volume...



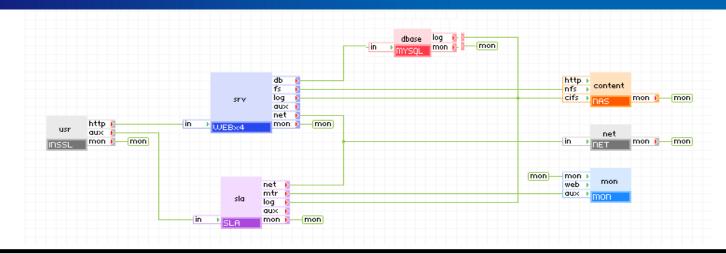


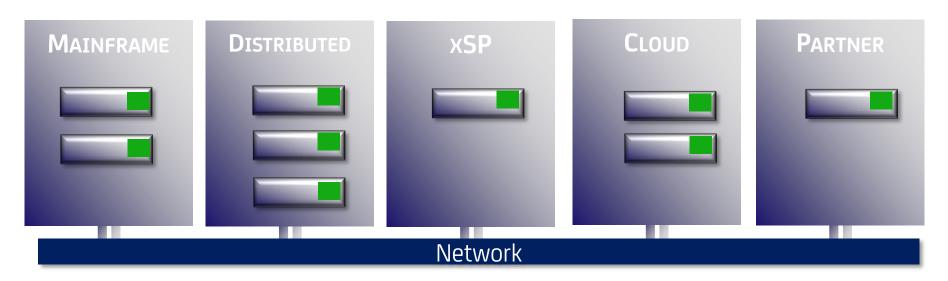
## A Virtual Business Service is Created!





# Allow movement of Linux-compatible workloads between distributed and zEnterprise environments







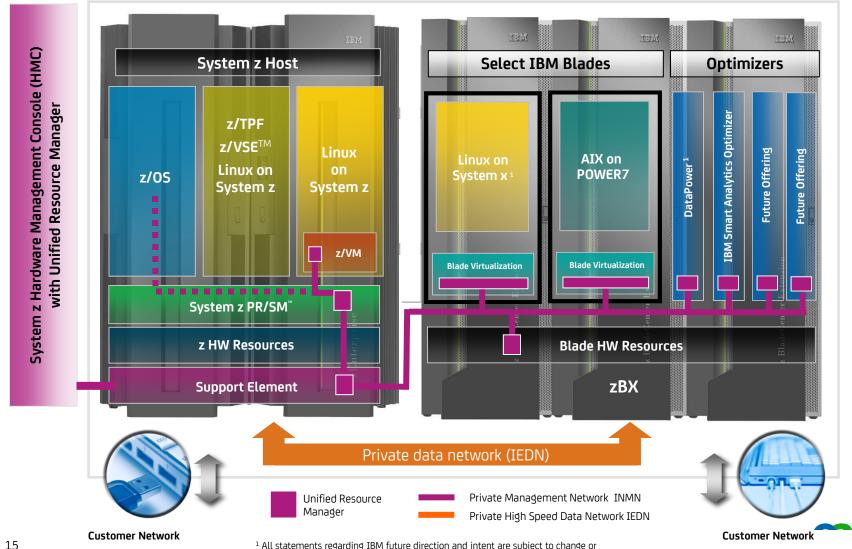
### **Share Demo**

#### **OPEN DEMO**



#### A look inside the IBM zEnterprise System

Enabling a new dimension in application architecture



<sup>&</sup>lt;sup>1</sup> All statements regarding IBM future direction and intent are subject to change or withdrawal without notice, and represents goals and objectives only.

### **Your Thoughts?**

- Can you see these use cases as a reality in your business today?
  - Manage the deployment of a composite application one that spans multiple platforms
  - Employ the same resources to build multi-tiered applications for distributed and mainframe (using the same tools)
  - Reduce costs and time to roll out new, scalable, elastic applications on the mainframe by unifying deployment teams
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## Thank You!



### discussion points

- Are you utilizing Linux on System z in a significant way?
- Are you looking to consolidate Linux based applications to the mainframe?
- Will this solution help you realize your Cloud strategy? If so, in what way?
- Is it important that our solution span applications that have components running on the mainframe as well as distributed servers? Does it need to be mainframe hosted?
- Are there any other similar solutions you are looking at or aware of?
- What in the solution appears to be of most value to you?
  - Helping you move applications and workload to the mainframe?
  - Distributing workload to the most appropriate server?
  - What are the critical features/functions it must have in the first release?
  - What are the ROI criteria for you? Will this be a time saving tool?

