



Utilizando Availability Groups en un plan de desastres



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Experience

Microsoft Certified Professional 2012/2014,
2016-2017

More 10 years of experience

Multi-platform DBA

Community

Guatemala SQL Server User Group – board
member

Fields of Experience

MS SQL Server

Linux Distros

Oracle 10-11g



Agenda

Recap – Conceptos de un DR
Alta Disponibilidad en SQL Server con AG.

Availability Groups
Componentes, Modos de
Funcionamiento, Tipos de AGs

Availability Groups en Windows
Ver Docker y sus interacciones con línea de
commandos y su plataforma: Kitematic,
Powershell, ADS y VSC.

**Escenario de AG's ReadScale entre
Windows y Linux**
Manejo de Scale Out, Interaccion

01

02

03

04



Recap – Conceptos de un DR

*Conceptualizando un DR * Conceptos de alta disponibilidad con SQL Server con Availability Groups.



SQL Server Availability Groups

Componentes - Modos de Funcionamiento - Tipos de AGs



Availability Groups en Windows

Topología – Configuración – Escenario de DR



AG's ReadScale entre Windows y Linux

Manejo de Scale Out - Interacción

Benchmark

Docker Releases

Docker CE V1

WIN 7

V-Box

Default

Linux Kernel 3

Boot2Docker

Docker Tools

Docker CE V2

WIN 10

Hyper-V

Default

Linux Kernel 4

Mobylinux

Kubernetes

Docker Desktop



Docker Desktop Community

Version 2.0.0.3 (31259)

Channel: stable

Build: 8858db3



Engine: 18.09.2



Notary: 0.6.1



Compose: 1.23.2



Credential Helpers: 0.6.0



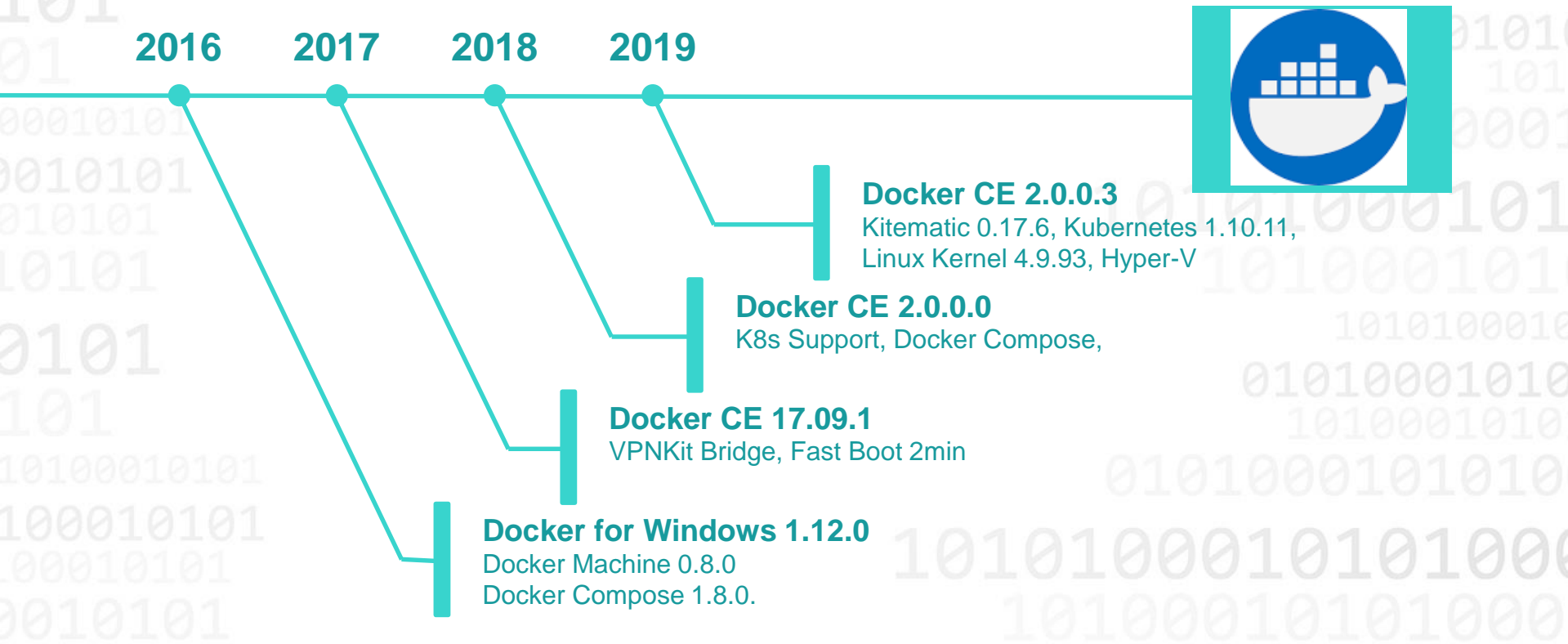
Machine: 0.16.1



Kubernetes: v1.10.11

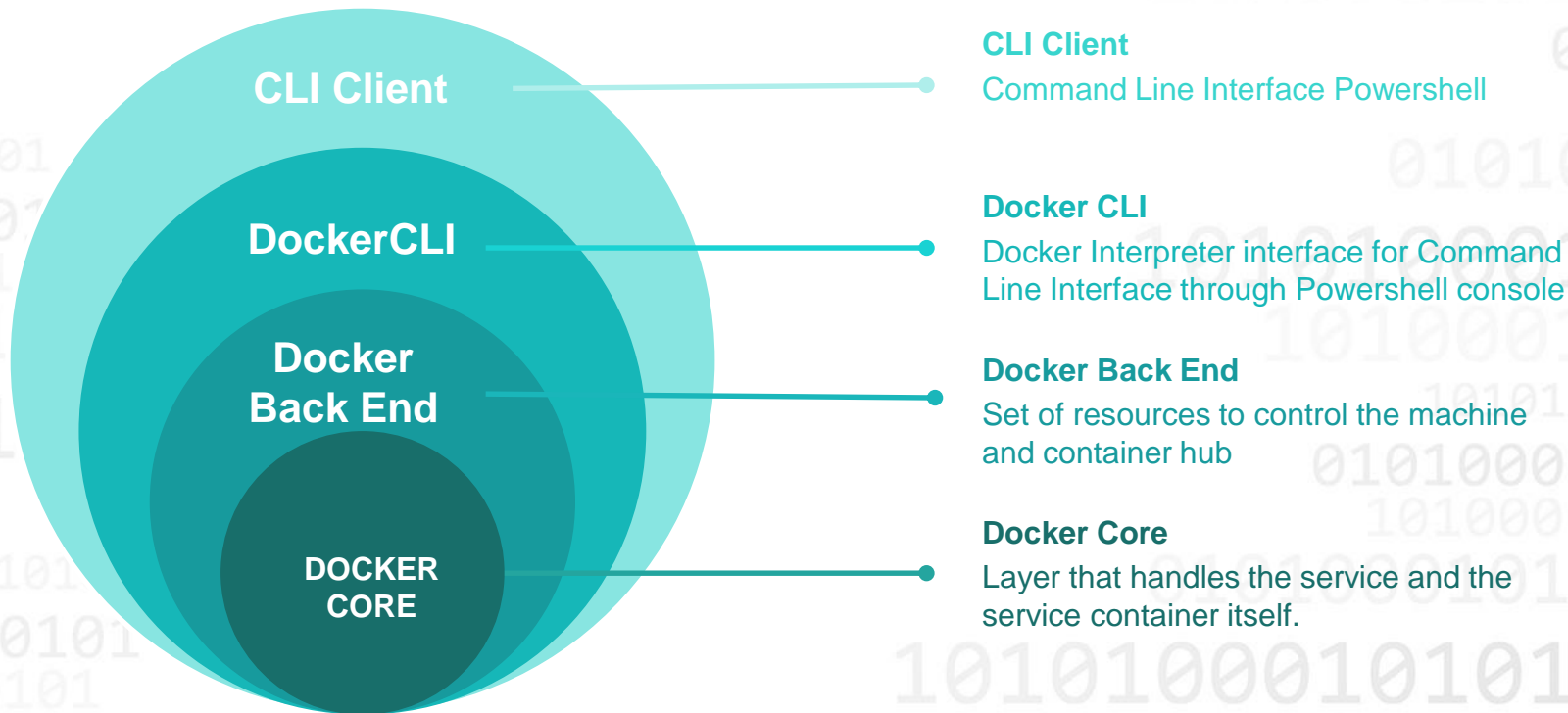
Timeline

Docker Releases

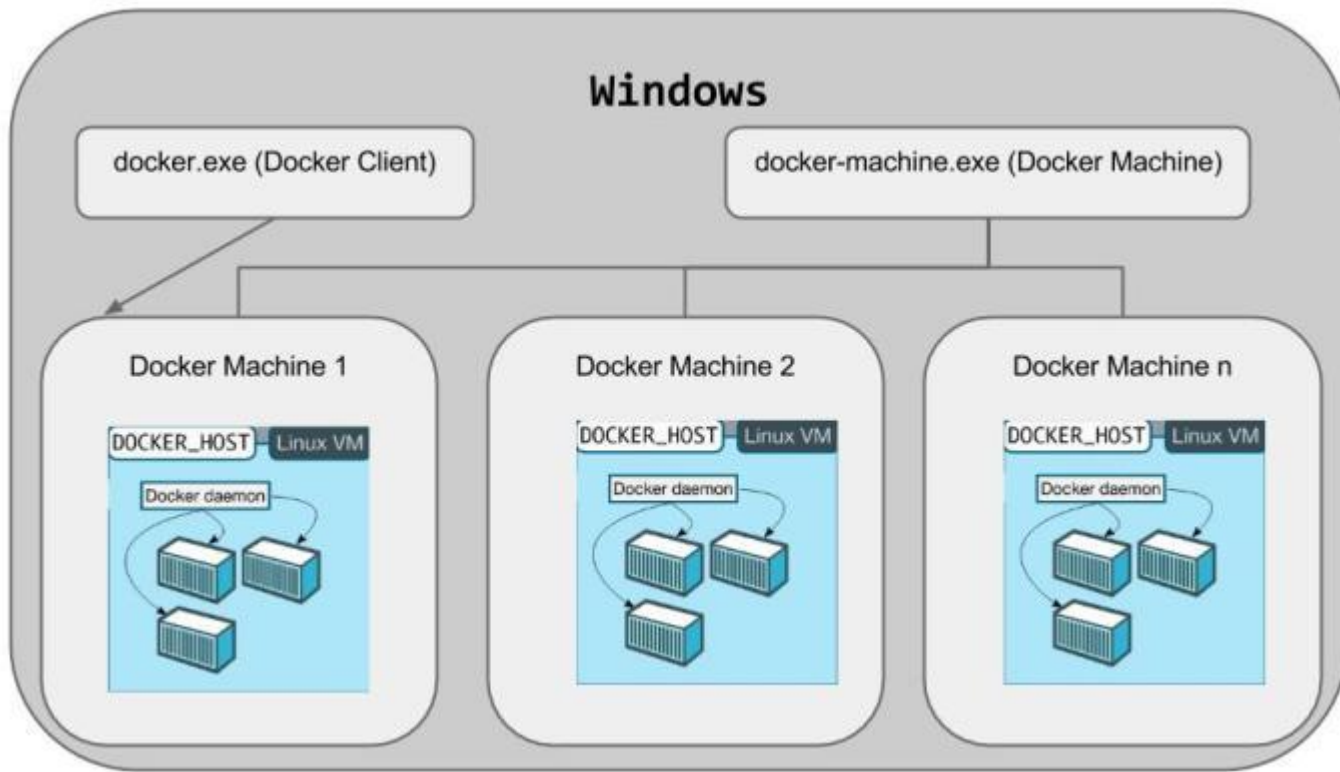


Docker Tiers

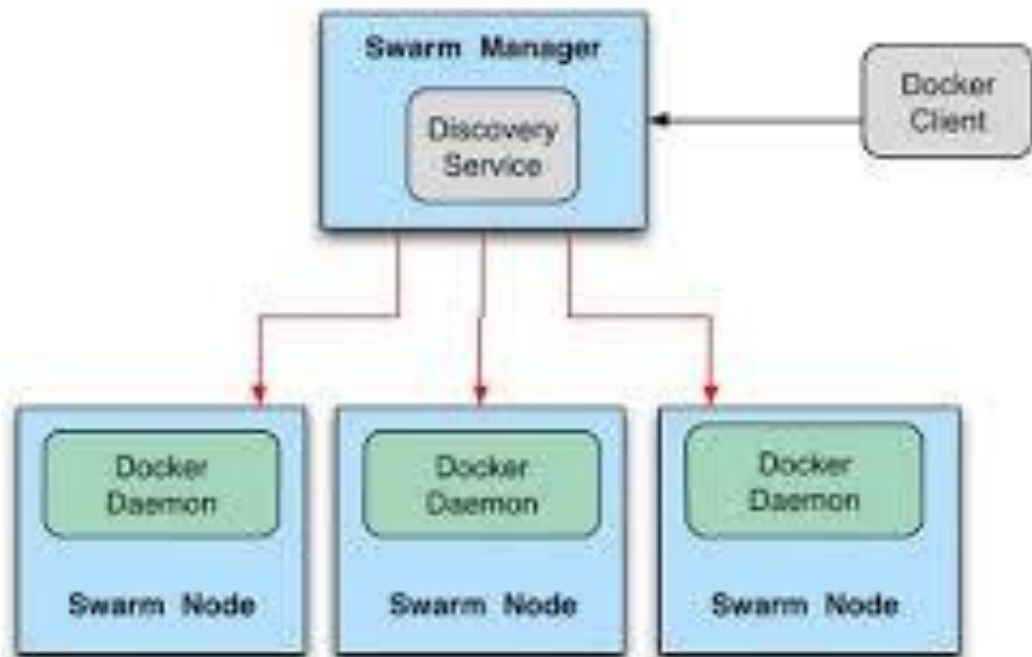
Breakdown of tier service communication



Basic Layout



Architecture Diagram





Demo 1

Availability Groups sobre topologia Windows



Demo 2

Read scale con Windows + Linux – Scale Out



Thank you