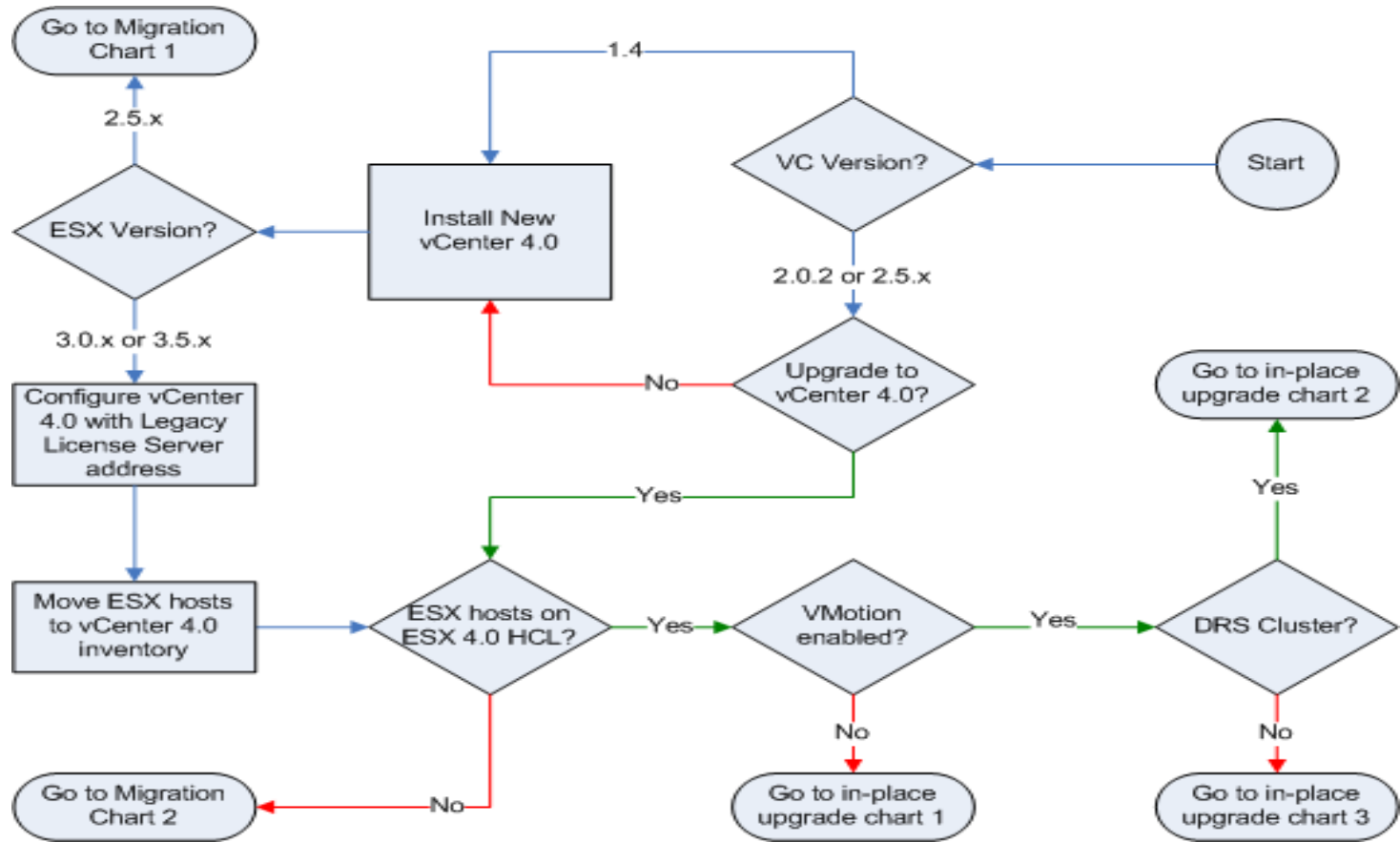


vSphere 4 upgrade flowcharts

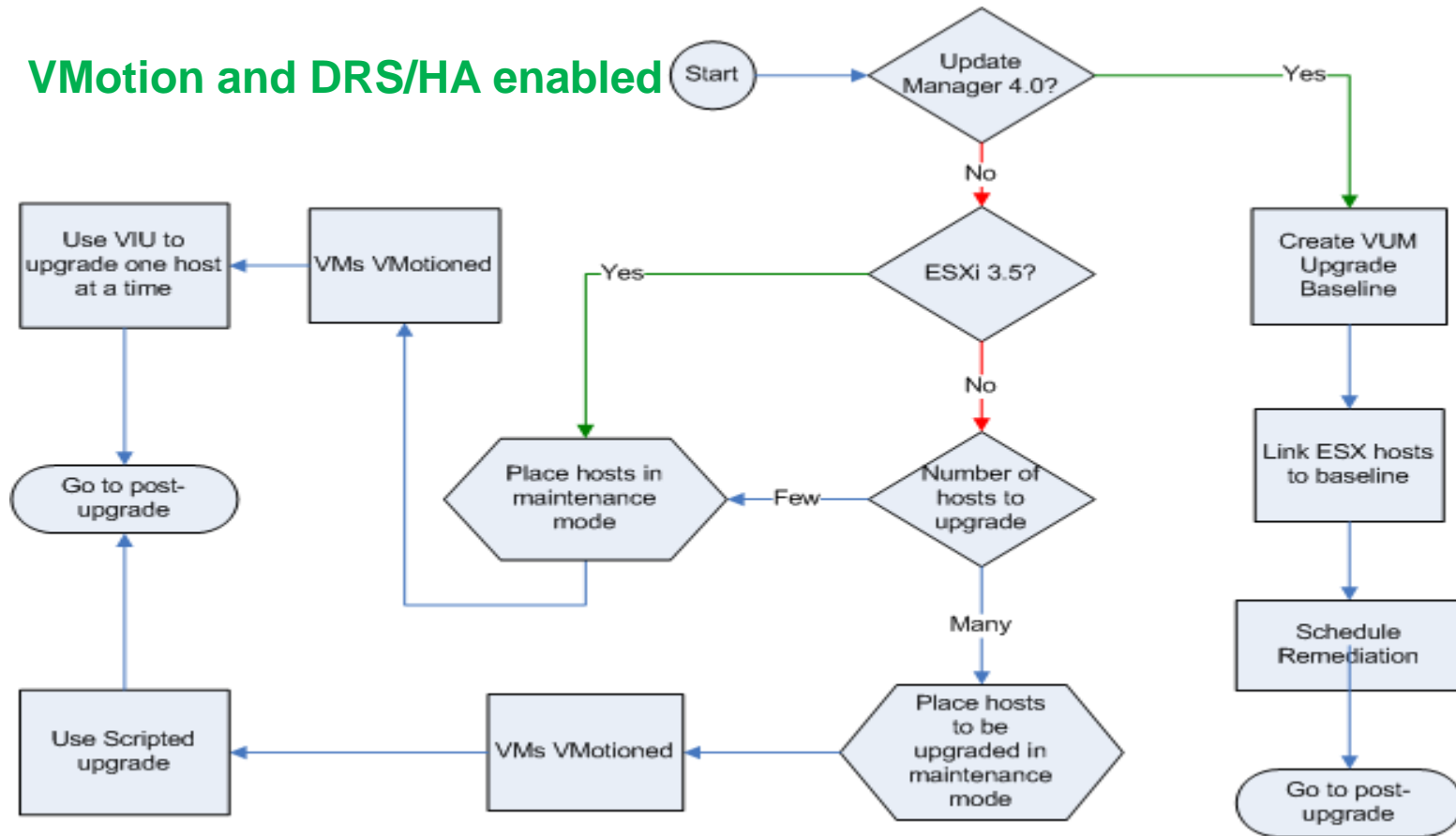
- ▶ Mostafa Khalil, VCP, VCDX
- ▶ Staff Engineer
- ▶ Product Support Engineering
- ▶ VMware, Inc.

vSphere 4.0 In-place Upgrade or Migrate?



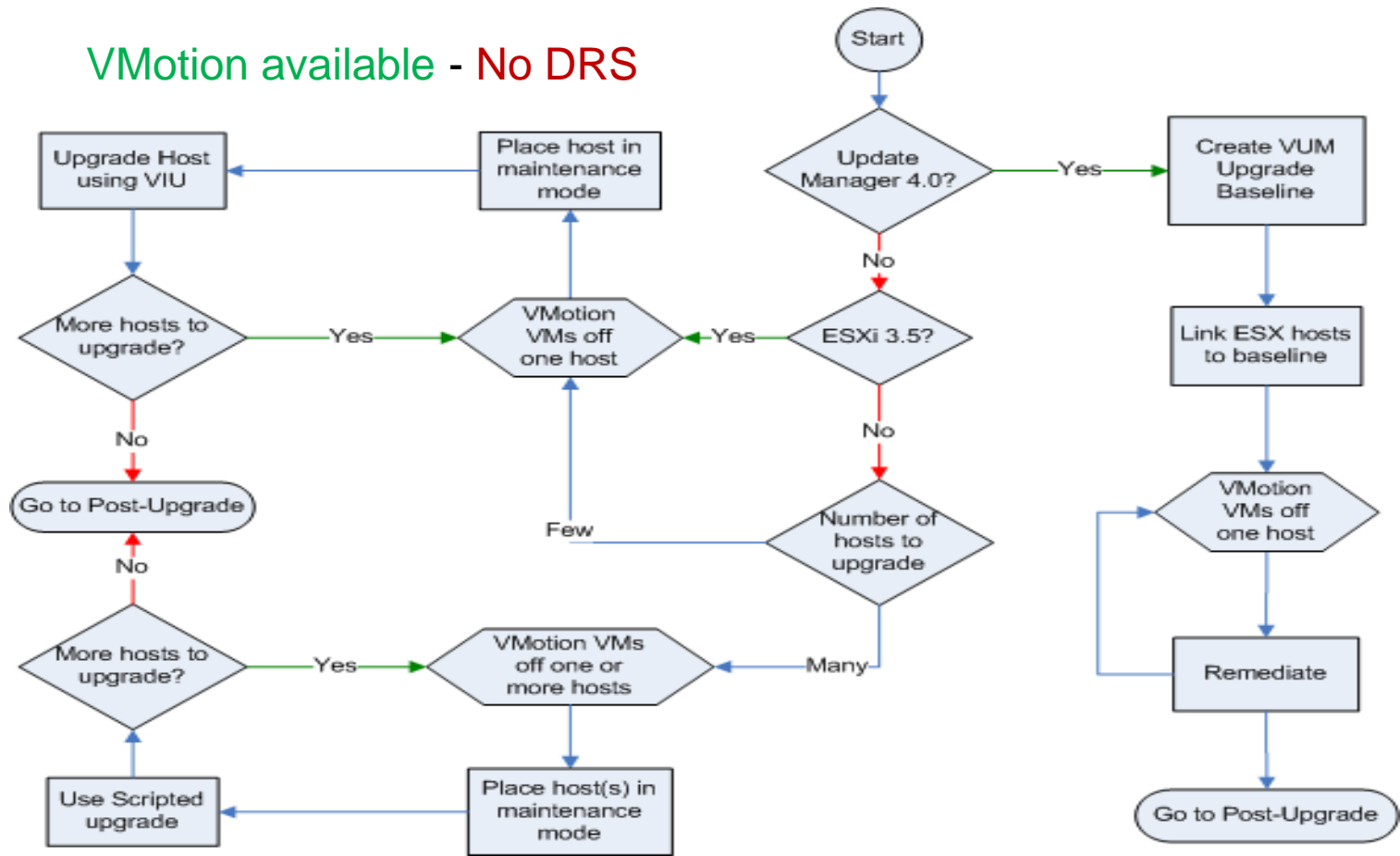
In-place Upgrade Chart 2

VMotion and DRS/HA enabled



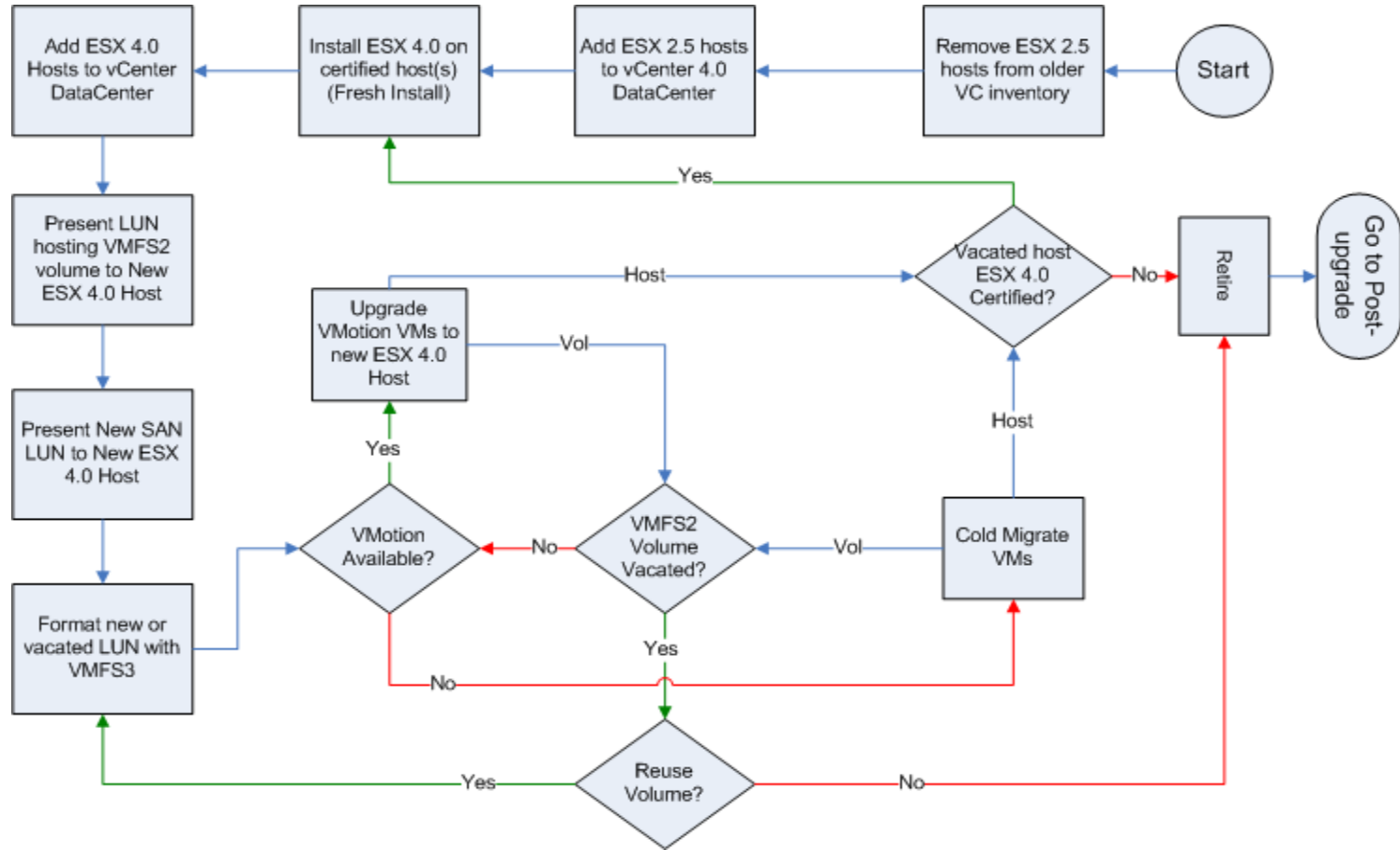
In-place Upgrade Chart 3

VMotion available - No DRS

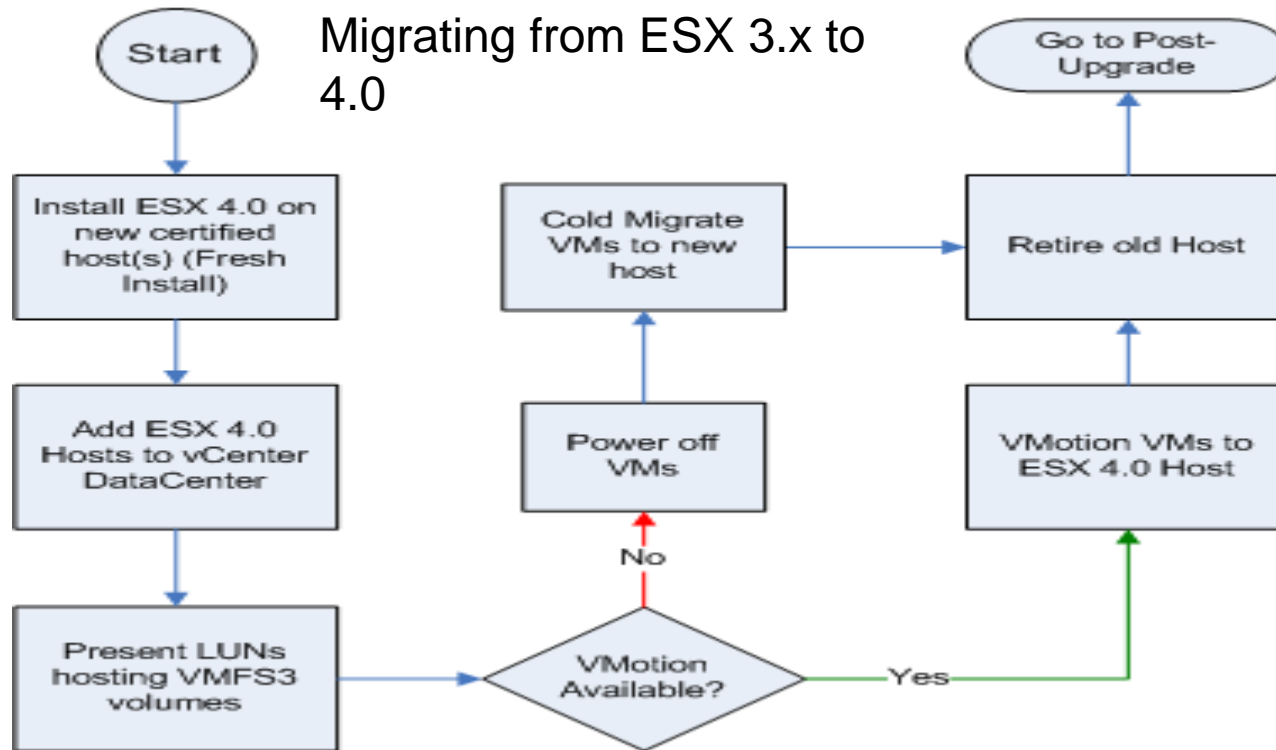


Migration Chart 1

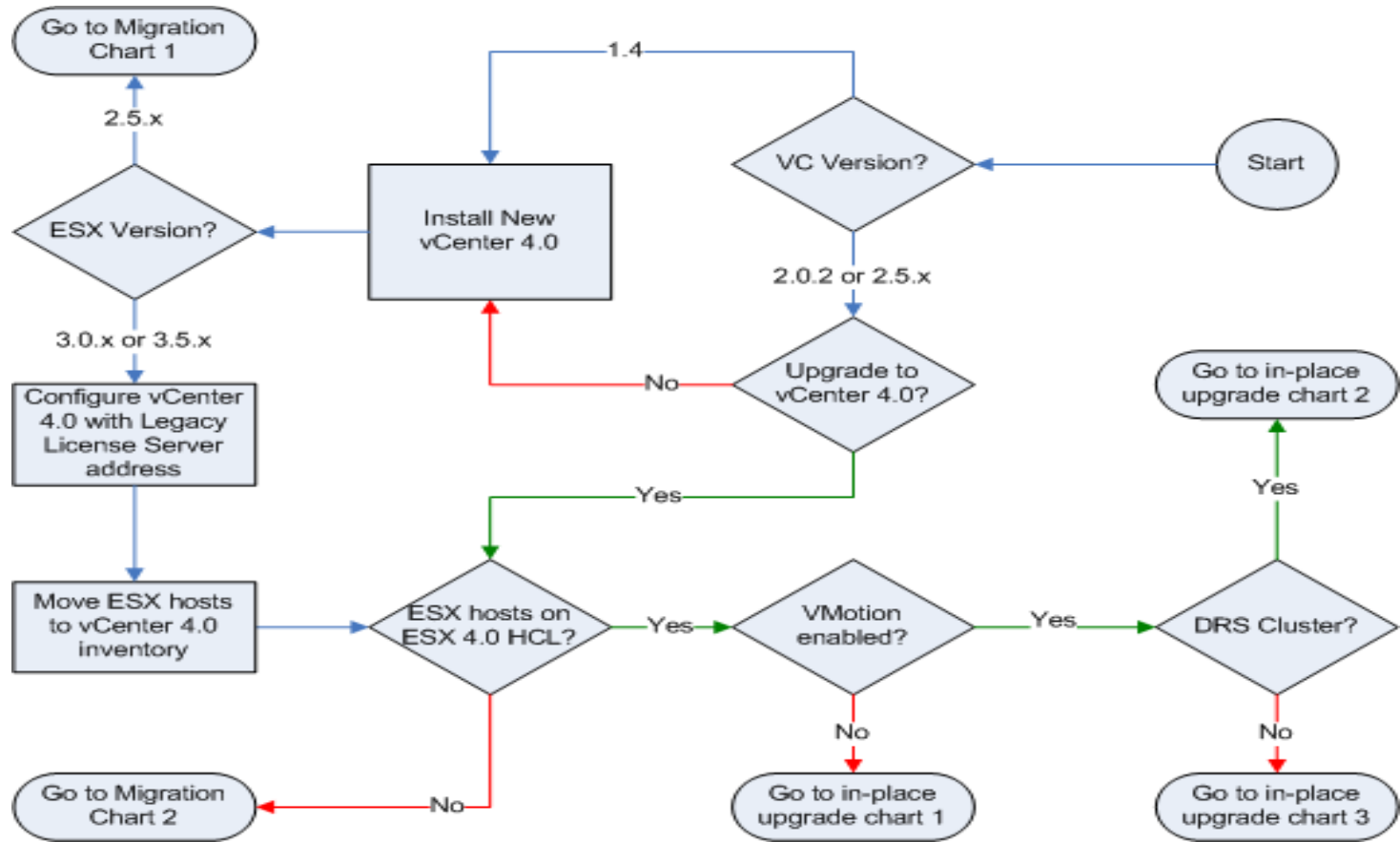
ESX 2.5.x to 4.0 migration



Migration Chart 2

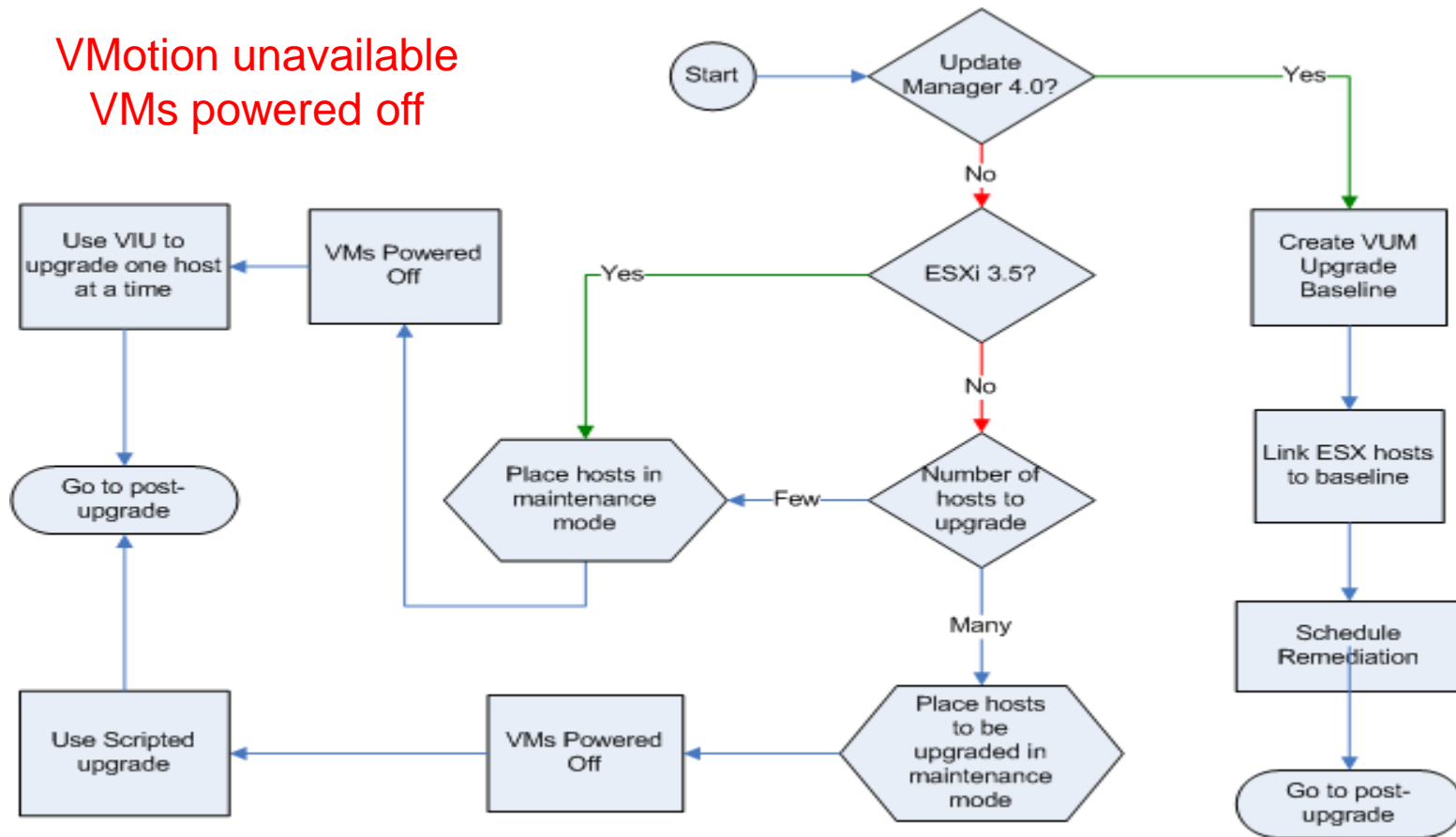


vSphere 4.0 In-place Upgrade or Migrate?



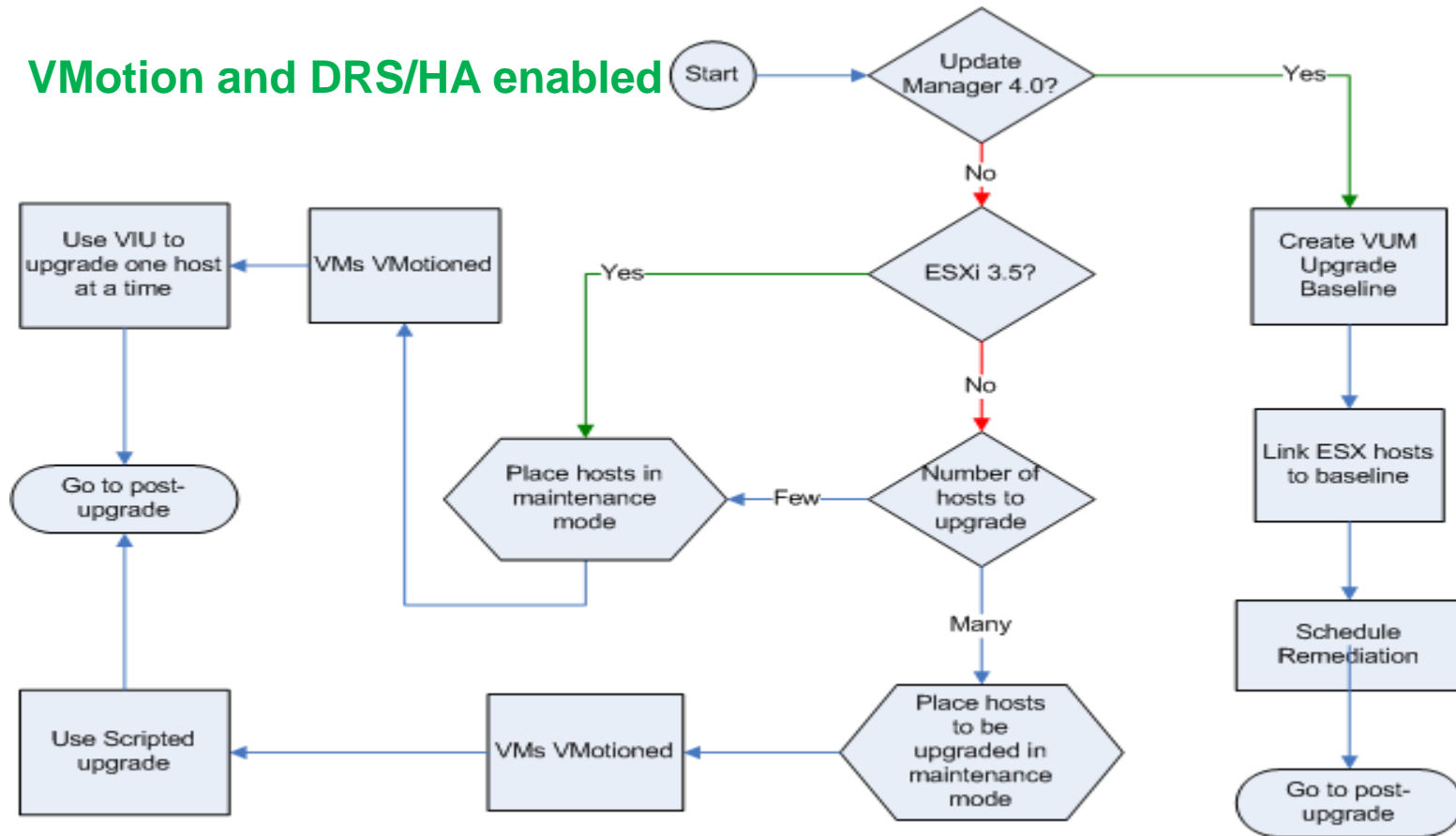
In-place Upgrade Chart 1

VMotion unavailable
VMs powered off



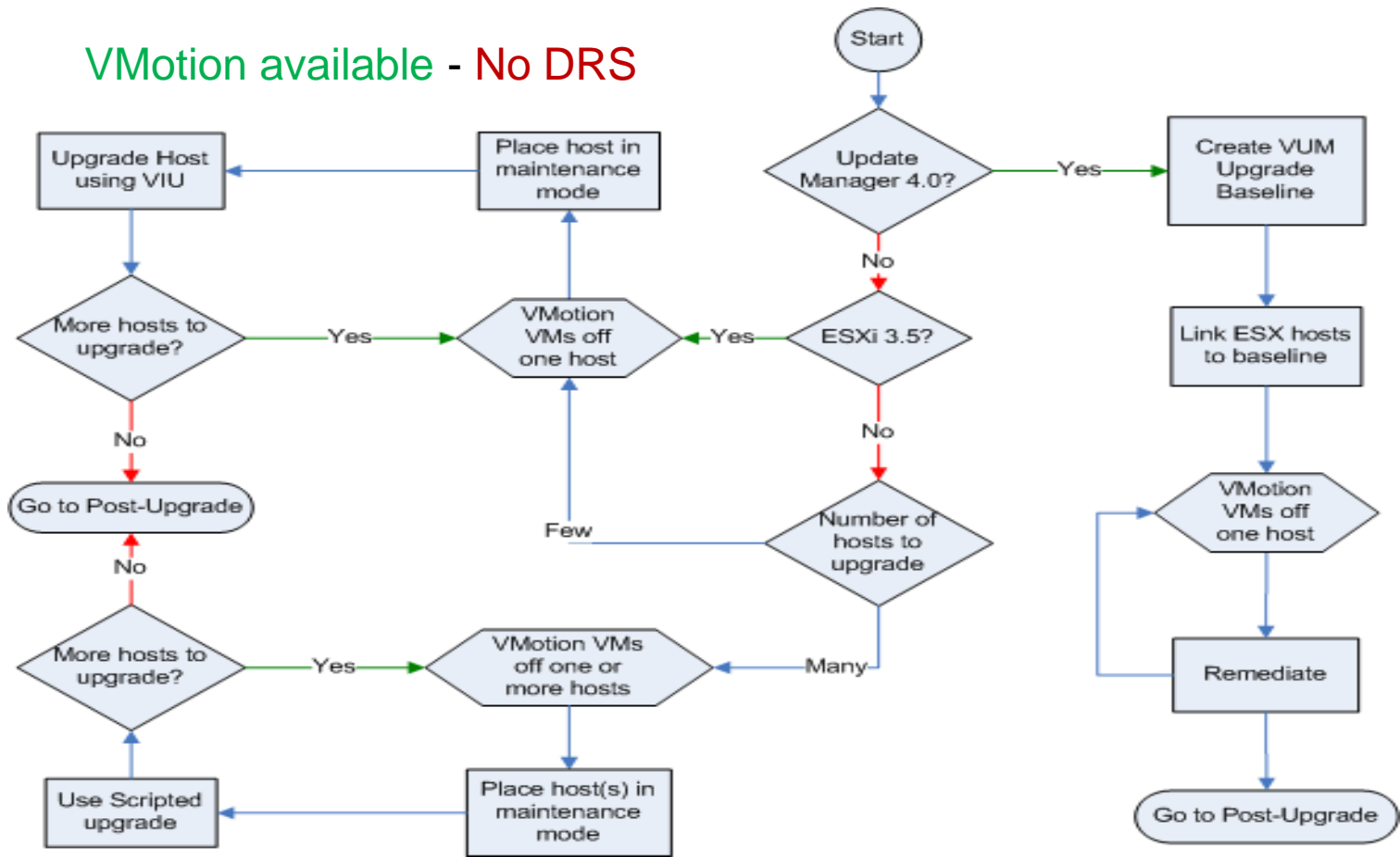
In-place Upgrade Chart 2

VMotion and DRS/HA enabled



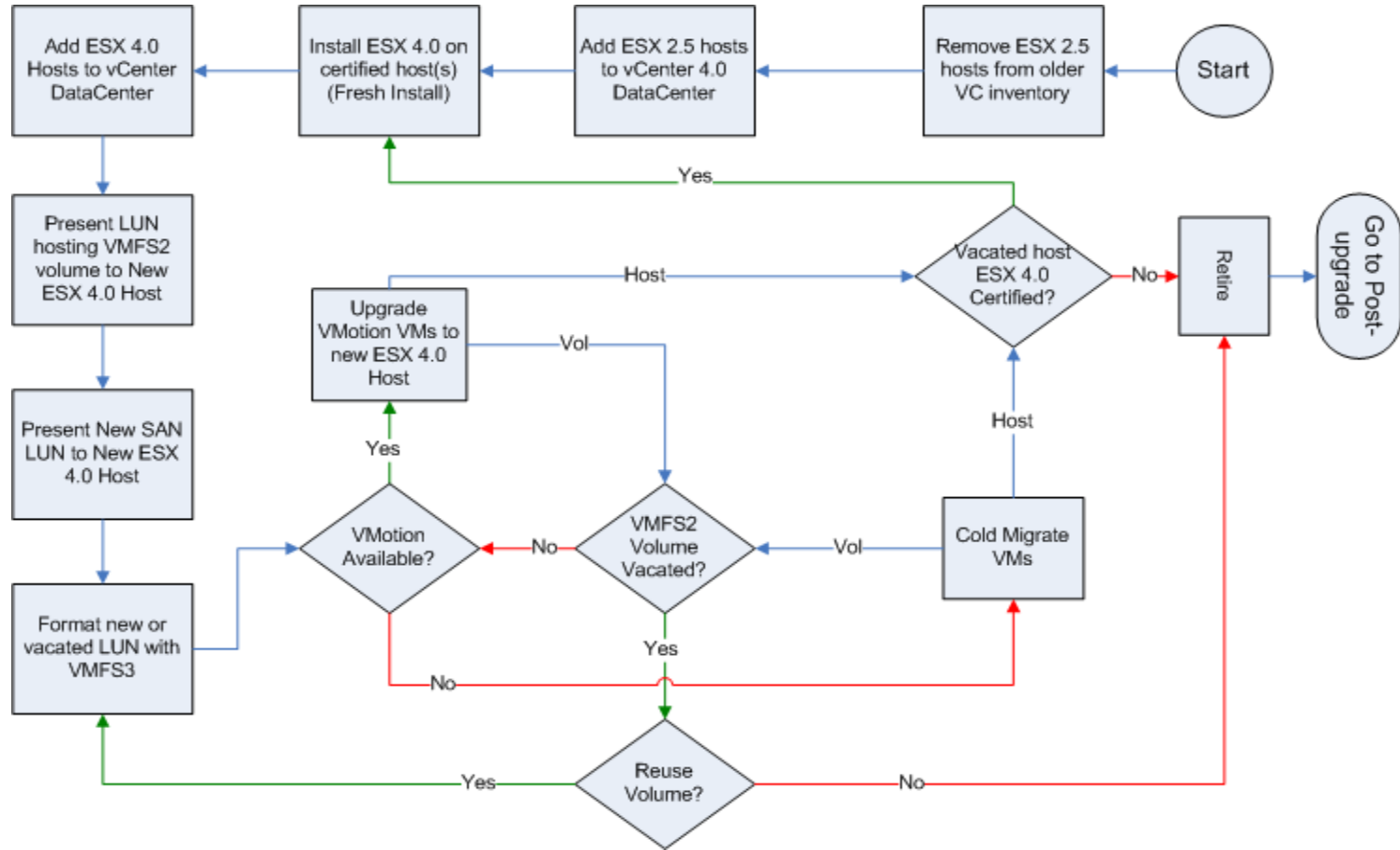
In-place Upgrade Chart 3

VMotion available - No DRS

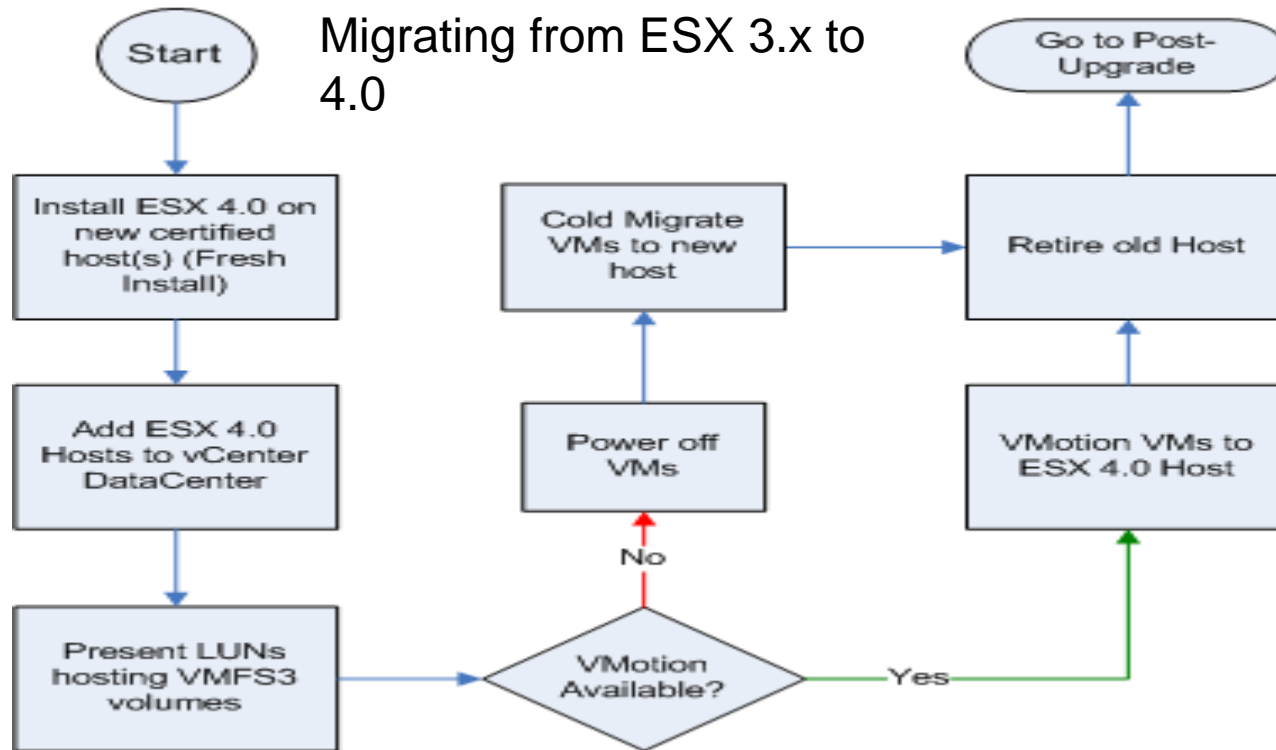


Migration Chart 1

ESX 2.5.x to 4.0 migration



Migration Chart 2



Post Upgrade Tasks

- ▶ **VMware Tools Upgrade**
 - ▶ **Do this first before upgrading virtual HW**
- ▶ **Virtual Hardware Upgrade**
 - ▶ **Do this to get new virtual devices and features (e.g. hot-plug)**
- ▶ **Migrate Virtual Network**
 - ▶ **Migrate to vDS (Distributed Switch)**