**High Level Exadata Patching Process**

* Read Note MOS #888828.1 before patch planning.

Patching process can be divided into 3 categories

1. Database/Cluster ware – Bundle Patches
2. Operating System/Firmware – Exadata Storage Server Patches
3. Infiniband – Infiniband Switch Patches

**1.    Database/Cluster ware – Bundle Patches**Applied to Database and Grid Infrastructure (GI) Homes Released Quarterly (depending on software version) Contain standard Oracle patches and Exadata-specific patches OPatch regular or auto can be used to apply

**2.    Operating System/Firmware – Exadata Storage Server Patches**One patch includes updates for OS, kernel, IB, ILOM, other Firmware, new features  
Includes “minimal pack” for database servers – formerly called “convenience pack”  
Applied using patchmgr

3. **Infiniband – Infiniband Switch Patches**

Install patches provided by Oracle -No fixed schedule only install versions mentioned in MOS note #888828.1 Installation methods may differ with version

**Rolling Patch for Exadata Storage Server Patches**

**Benefits** Shorter patch window may be 2-4 hours for entire system

**Considerations**Complete outage during patch if patch fails, all cells can be affected

**Non Rolling Patch for Exadata Storage Server Patches**

**Benefits**No downtime required.If patch fails, only one cell is affected

**Considerations**Longer patch apply time. Reduced redundancy during patch.Minimum BP requirements