HUS\_20140626\_hus\_sql\_tehdas2\_dynasty\_360\_muutokset change implementation plan

V1.0

**Tasks to be implemented:**

Enable features COM+ Network Access and Distributed Transactions (incoming and outgoing) to cluster helmeicls26, nodes helmeidb54 and helmeidb55.

Install SQL Server 2008 R2 Service Pack 2 to both nodes (rolling upgrade).

**Maintenance window:**

During next security patching maintenance break. Service break: Every month 3rd Wednesday 18.00-19.00 (no both nodes at the same time) (Auto YES)

Next is 20.08.2014 18:00.

Change takes about 4h downtime, which time window when servers are rebooted (all three SQL Server instances).

**Implementers:**

Wintel side: Bazinsky (to be verified)

SQL side: SQL L2 if possible. Windows and SQL side is also possible to handle by Antti Malkki.

**Implementation plan:**

20.08.2014

* Check that database backups are successful
* Download SP2 to both nodes.
* Set outage
* Check which node is passive and start with it.
* After 18:00: If both nodes are active, failover minimum amount of resources / groups.
* Set passive node to pause from cluster.
* Enable features
* Install Service Pack 2
* Reboot node
* Check event logs
* Resume node into cluster
* Failover all groups
* Check SQL Server logs from all instances
* Set passive node to pause from cluster.
* Enable features
* Install Service Pack 2
* Reboot node
* Check event logs
* Resume node into cluster
* Failover all groups
* Check SQL Server logs from all instances
* Failover instances into to correct nodes according to ESL

**Rollback plan**

* Uninstall enabled features
* Uninstall Service Pack 2