**CenturyLink – Cloudera Business Transformation – Milestone 1**

**Project Preparation Document**

Pre-engagement preparation work streams.

**Environment Management Framework** **Owner: [Linda Soon]**

1. Project command & control systems, platforms, tools. Essentially, what the entire team (management, implementation, operations) will use to coordinate, communicate, track and manage the various elements of Milestone 1.
   1. Examples: Slack, github, Jira, etc

Tasks:

* Identify CenturyLink tools / frameworks that will be utilized.
* As applicable, map team(s) to specific usage of tools / frameworks (e.g. developers will utilize github for SLDC, and Slack for collaboration / communication)

1. Knowledge Management tools, platforms. Essentially, what the entire team will utilize to ensure knowledge (documents, reference materials, lessons learned, work descriptions, best practices) is captured, tracked and managed for Milestone 1.
   1. Examples: Wiki, Sharepoint

Tasks:

* Identify CenturyLink tools / frameworks that will be utilized
* As applicable, map team(s) to specific usage of tools / frameworks (i.e. Hadoop administrators will utilize Wiki for KB)

**Data Management Owner [Matt Post, Joe Gance, Mark Bragg]**

1. Framework to capture, organize, define, prioritize and classify data sources for utilization in Milestone 1. Serve as foundation for inclusion of data sources associated with future business use cases.
   1. Data Source inventory (name, type, location, volumes, etc)
   2. Mapping of data sources as they relate to business use cases (current & future)
   3. Data governance definitions (data source policy, handling, controls, etc)

**Use Case Outcomes Refinement Owner [Matt Post, Joe Gance, Mark Bragg]**

1. Clearly define / articulate the outcome of each use case, in terms of targeted insights (i.e. correlations, discovery, trending)
   1. OCEANS Use Case
   2. Routing Evolution Use Case
   3. Router Outage Use Case
   4. Impetus Use Case 1
   5. Impetus Use Case 2
   6. Other potential use cases…

**Productionalization Definition Owner [Sandeep]**

1. Clearly define / articulate CenturyLink’s production readiness requirements, to include:
   1. SLDC procedures (i.e. dev, test, UAT, production)
   2. Hardware / Infrastructure standards
   3. Backup / DR
   4. Others not listed here

**Infrastructure Preparation Owner [ TBD ]**

1. Track, coordinate and manage on-premise cluster hardware / infrastructure process, to include:
   1. Coordination of hardware ordering, shipping and delivery
   2. Preparation of location and team for hardware installation
      1. \* Utilize Cloudera’s pre-requisites document (provided separately)
   3. Confirmation of hardware delivery (i.e. confirmation of equipment, acceptance)
   4. Coordination and management of cluster equipment installation (racking)
   5. Coordination and management of cluster OS loading / configuration
   6. Coordination and management of cluster network setup / configuration
   7. Validation of cluster installation / setup / configuration and hand-off to Milestone 1 implementation team (Cloudera / Cognalytics)
2. Coordinate and manage stand-up of (temporary) hosted cluster, for use case development (prior to on-prem hardware readiness).
   1. Confirm cluster configuration (i.e. nodes, node type, layout, etc) with Milestone 1 implementation team
   2. Deploy cluster to be available for development of first use case

**Security Framework Owner [TBD]**

1. Clearly define / articulate CenturyLink’s security requirements, to include:
   1. General security policies / procedures
   2. Data governance policies / procedures (i.e. access, lineage, encryption / masking)
   3. User / Group security policies / procedures (i.e. access, authorization)
   4. Infrastructure / Hardware security policies / procedures
   5. Networking security policies / procedures
   6. Any other applicable polices / procedures…

**Appendix A – Cloudera Pre-requisites**