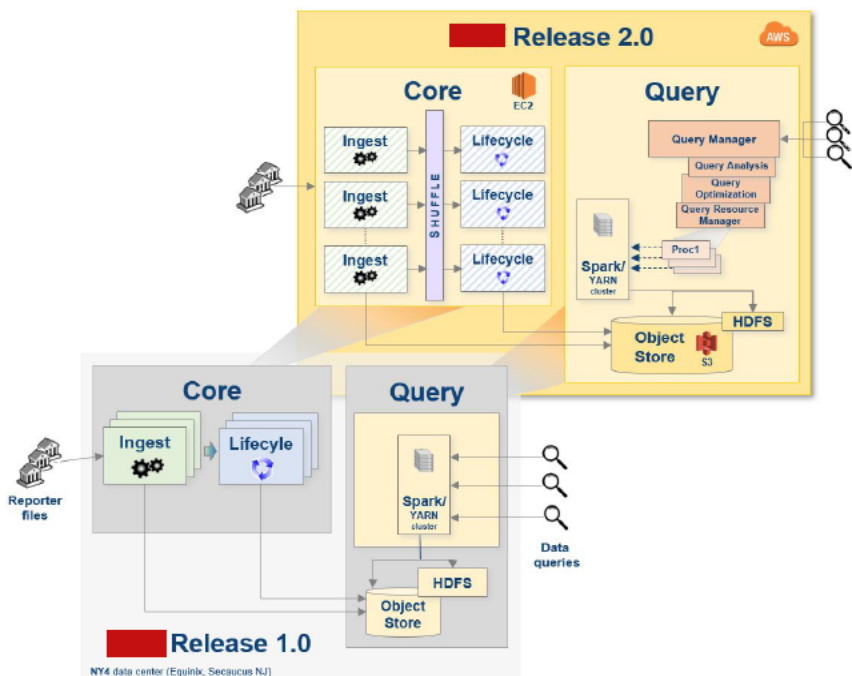


1. Executive Summary

This document describes details of the the transition of the infrastructure supporting the [REDACTED] system from release 1.0 to 2.0 (including the interim 1.1 release).

As shown in the generalized diagram below, the primary architecture alteration is the migration of the infrastructure of both the [REDACTED] *Core* and *Query* subsystems from its data center architecture to the **Amazon Web Services (AWS)** cloud. Also of significance are major enhancements to both the *Ingest-Lifecycle* process and the *Query* processing pipeline.

In short, [REDACTED] release 2.0 *enhances* 1.0's functionality and does it in a *cloud* computing environment.



Details of these release 2.0 changes are provided in the subsections below.