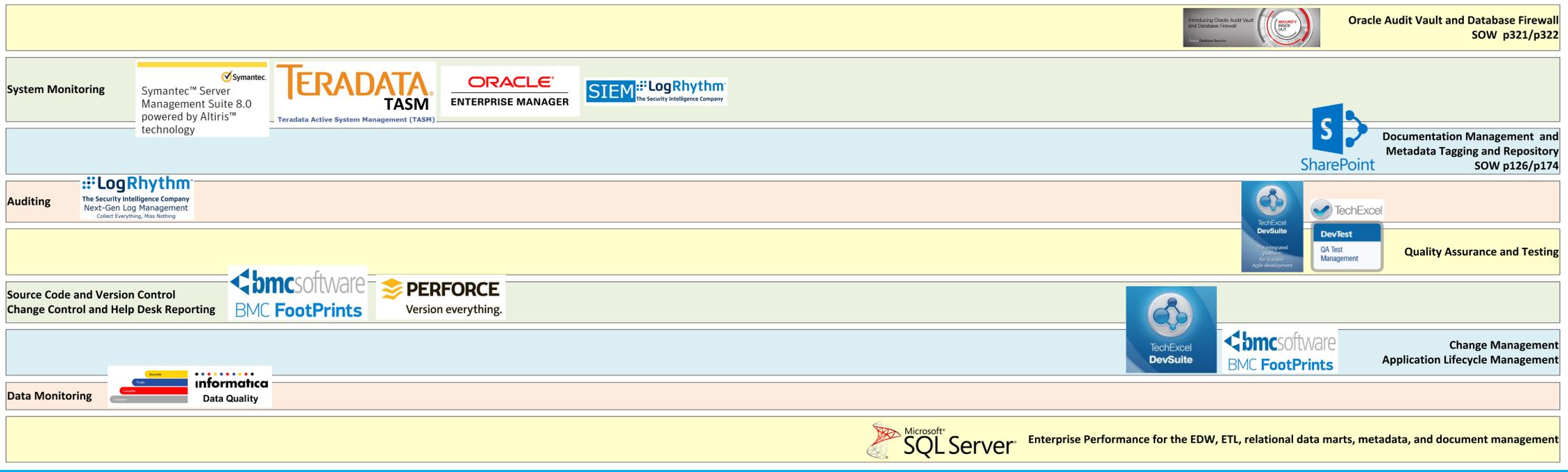
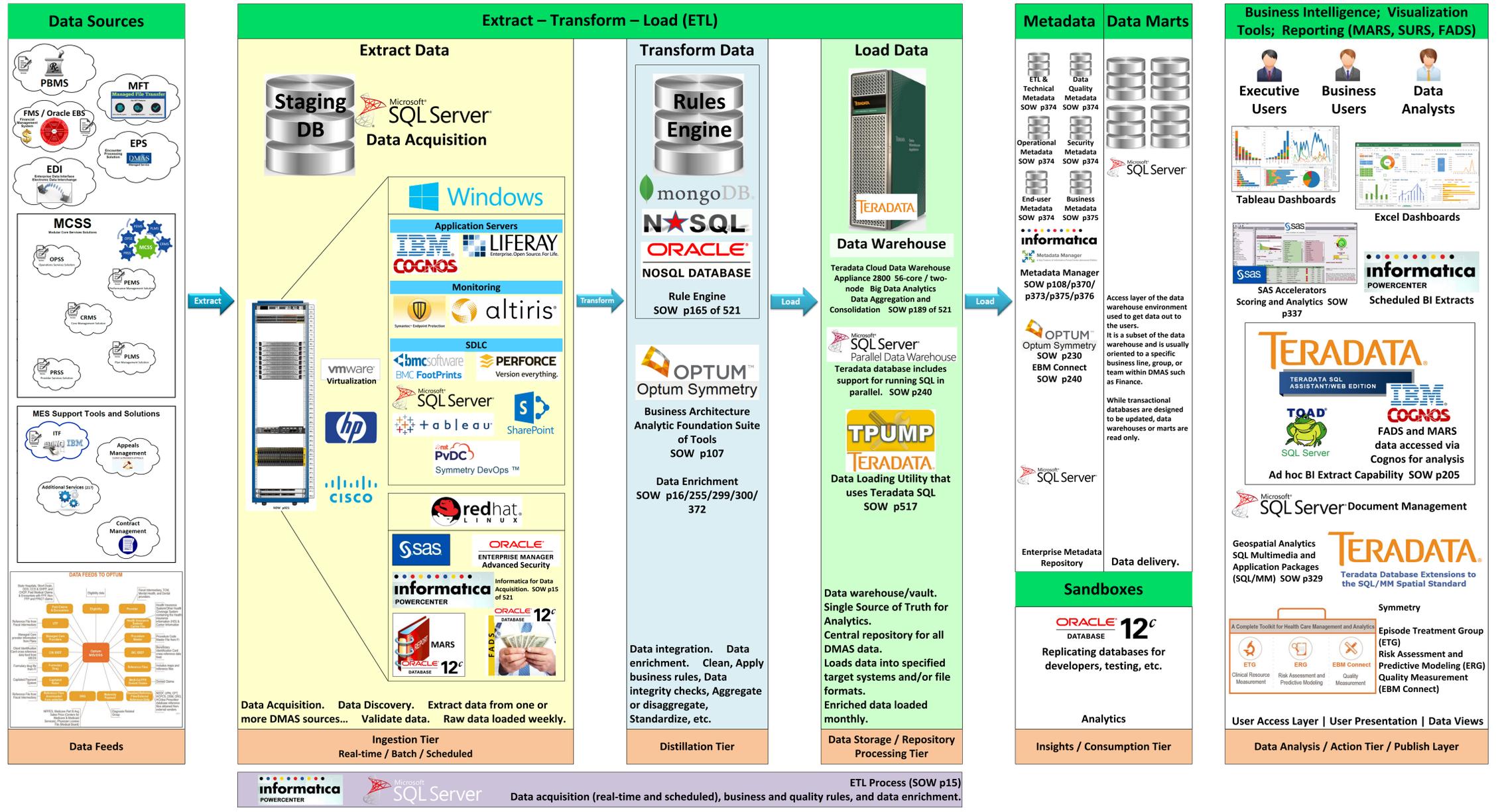
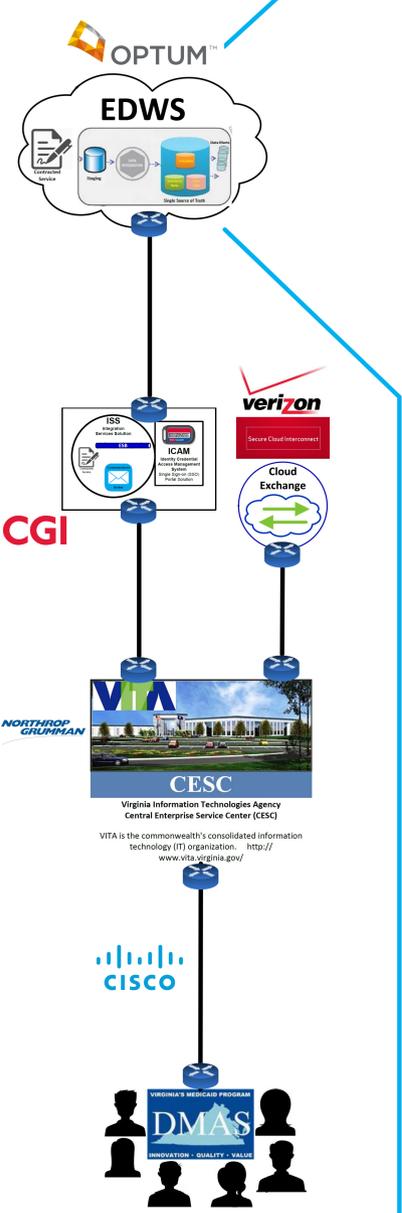


EDWS Production



Committee for Quality Assurance (CQA)
Fraud and Abuse Detection System (FADS)
Management and Administrative Reporting System (MARS)
Surveillance and Utilization Review (SURS)
Teradata Active System Management (TASM)
Optum™ Triple Aim Analytic Services (OTAAS)

PURPOSE: To identify the EDWS from an Optum SOW perspective. In computing, a data warehouse (DW or DWH), also known as an enterprise data warehouse (EDW), is a system used for reporting and data analysis, and is considered a core component of business intelligence. DWs are central repositories of integrated data from one or more disparate sources. They store current and historical data in one single place and are used for creating analytical reports for knowledge workers throughout the enterprise. The data stored in the warehouse is uploaded from the operational systems (such as PBMS, OPSS, PEMS, etc.). The data may pass through an operational data store and may require data cleansing for additional operations to ensure data quality before it is used in the DW for reporting. The EDW maintains a copy of information from the source transaction systems. This architectural complexity provides the opportunity to: 1) Integrate data from multiple sources into a single database and data model. 2) Mitigate the problem of database isolation level lock contention in transaction processing systems caused by attempts to run large, long running, analysis queries in transaction processing databases. 3) Maintain data history, even if the source transaction systems do not. 4) Integrate data from multiple source systems, enabling a central view across the enterprise. 5) Improve data quality, by providing consistent codes and descriptions, flagging or even fixing bad data. 6) Present the organization's information consistently. 7) Provide a single common data model for all data of interest regardless of the data's source. 8) Restructure the data so that it makes sense to the business users. 9) Restructure the data so that it delivers excellent query performance, even for complex analytic queries, without impacting the operational systems. https://en.wikipedia.org/wiki/Data_warehouse