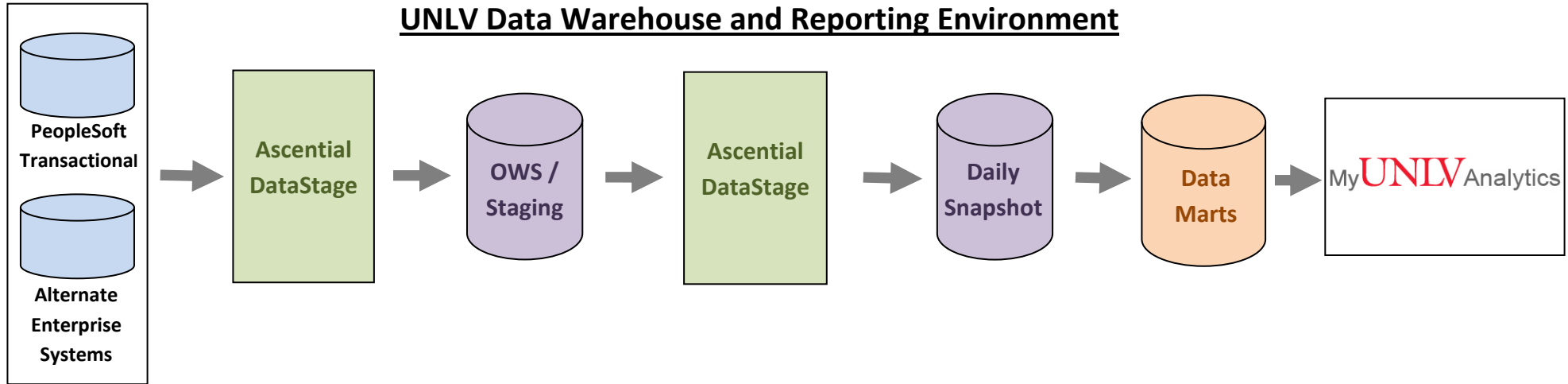


## UNLV Data Warehouse and Reporting Environment



Source	Extraction Tools	EPM OWS	Data Transform Tools	EPM Snapshots	EPM Census Tables and Data Marts	Presentation Tools
<p>Data sources include PeopleSoft transactional systems as well as legacy systems, to store and enrich information for reporting.</p>	<p>The Ascential DataStage tool allows creation of ETL programs that <u>E</u>xtract, <u>T</u>ransform, and <u>L</u>oad data into the EPM. The data extracted from the source systems are moved to the EPM in their native format.</p>	<p><u>O</u>perational <u>W</u>arehouse <u>S</u>taging tables hold copies of transactional data in their native format in the EPM. The data are available here for further transformation.</p>	<p>Data are logically modeled to improve performance for querying and analysis. This may include logical groupings according to needs or subjects. Data definitions are also implemented through programming logic here allowing simpler reporting elements to be created and structured.</p>	<p>Snapshot tables are populated nightly from selected OWS data, specially structured and marked with the snapshot date to allow for historical, point-in-time querying.</p>	<p>The snapshot data are used as the source to create a group of tables containing the defined informational elements on <i>pre-defined</i> dates. Census tables are then used as the source to create a group of tables containing the subject-oriented informational elements for data marts.</p>	<p>The census tables are modeled with the business intelligence (BI) reporting tool. Information elements are available for custom or ad hoc reporting, analytics, and dashboard reports, targeted to a variety of users.</p>