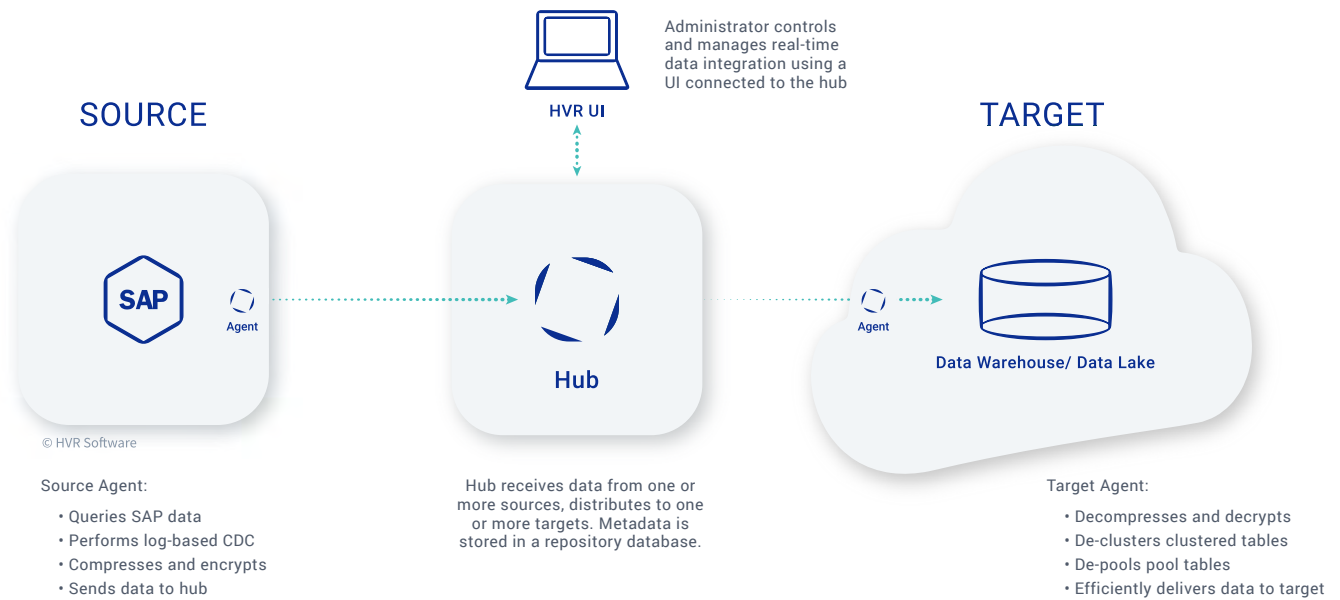




# How It Works

HVR runs in a distributed architecture, which includes a hub and agents on the source and target side. HVR is modular and a single installation of the software can capture from a source, play the role of the hub, and/or deliver into a target.



Capture from SAP SOURCE AGENT	The Hub ROUTING DATA	Deliver from SAP TARGET AGENT
<p>Typically an agent will run on, or close to the source SAP database servers (or a standby of the source database) for capture from an SAP application.</p> <p>Note that in order to minimize the load on the SAP system and database, the source capture process leaves the data for cluster and pool tables in the original encoded state.</p> <p>For SAP HANA, the agent must run on the HANA database server for real-time capture, or only read backups of the log on another system.</p>	<p>The hub routes the data to one or more destinations. By default, no transformations take place on the hub and the data remains compressed as it is stored on the file system to manage recovery in case of any failures.</p> <p>The HVR administrator always connects to the hub to:</p> <ul style="list-style-type: none"> <li>• Define and store connection details for the endpoints for the data integration.</li> <li>• Create and manage so-called channels, the data flows between sources and targets.</li> <li>• Initialize the data integration, and create the jobs to perform one-time data loads and compare runs.</li> <li>• Monitor the application to get current state of the jobs, as well as to review the log files.</li> <li>• Access rich data movement statistics to obtain insights in the data flows.</li> </ul>	<p>An HVR agent on the destination side, close to the destination, receives compressed data. It then:</p> <ul style="list-style-type: none"> <li>• Decompresses (and if needed decrypts) the data.</li> <li>• Decodes data for any cluster and pool tables through HVR's SAP Transform. Note the SAP transform is available for a Windows or a Linux OS.</li> <li>• Applies the data to the target in line with the rules the hub provided using optimized, platform specific data integration strategies.</li> </ul> <p>Metadata to support HVR is stored in one of HVR's supported databases.</p>

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