













I/O Cheat Sheet

Dynamics 365 for Finance and Supply Chain Management

 Odata ¹	 Entity Store Export ²	 BYOD* ³	 Export to Data Lake ⁴	 Data Management ⁵	 Excel
<p>Read + Write Real Time</p> <ul style="list-style-type: none"> + Query Syntax + Easy to use - Entities - Not for mass-data 	<p>Read Batched</p> <ul style="list-style-type: none"> + Azure Storage Account - Aggregated DW data 	<p>Read Batched</p> <ul style="list-style-type: none"> + Export to SQL + Good for PowerBI - Entities <p>* Bring Your Own Database</p>	<p>Read Near Time</p> <ul style="list-style-type: none"> + Entity and Tables + Azure Storage Account + Good for PowerBI - CSV files 	<p>Read + Write Batched</p> <ul style="list-style-type: none"> + Complex - Complex 	<p>Read + Write Manual</p> <ul style="list-style-type: none"> + Easy to use + Connector for Write Back - Manual
 Business Event ⁷	 PP* Connector ⁸	 Virtual Entities ^{9, 10}	 X++ Webservice	 X++ Batchjob	 3 rd Party Tools
<p>Read Near Time</p> <ul style="list-style-type: none"> + Predefined Events + Own events with alerts - Singular events 	<p>Read + Write Real Time</p> <ul style="list-style-type: none"> + Trigger + Actions + Easy to use - Not for mass data <p>* Power Platform</p>	<p>Read + Write Real Time</p> <ul style="list-style-type: none"> + Good for PP - Hosted in Dataverse 	<p>Read + Write (Passive) Real Time</p> <ul style="list-style-type: none"> + Flexible - Development effort - Not for mass data 	<p>Read + Write Batched</p> <ul style="list-style-type: none"> + Flexible - Development effort 	<p>* (Depends on Product) * (Depends on Product)</p> <ul style="list-style-type: none"> + May fit your needs better - 3rd Party, no MS Support - Dependencies - (Forward) Compatibility ?

Real Time: Seconds

Near Time: Seconds – Minutes

Batched: Batch job in D365

Read: Read data from Dynamics 365

Write: Write data into Dynamics 365

1) <https://learn.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/odata>

2) <https://learn.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/entity-store-data-lake>

3) <https://learn.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/analytics/export-entities-to-your-own-database>

4) <https://learn.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/finance-data-azure-data-lake>

5) <https://learn.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/data-entities/data-entities-data-packages>

6) <https://learn.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/office-integration/use-excel-add-in>

7) <https://learn.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/business-events/home-page>

8) <https://learn.microsoft.com/en-us/connectors/dynamicsax/>

9) <https://learn.microsoft.com/en-us/power-apps/developer/data-platform/virtual-entities/get-started-ve>

10) <https://learn.microsoft.com/en-us/dynamics365/fin-ops-core/dev-itpro/power-platform/virtual-entities-overview>