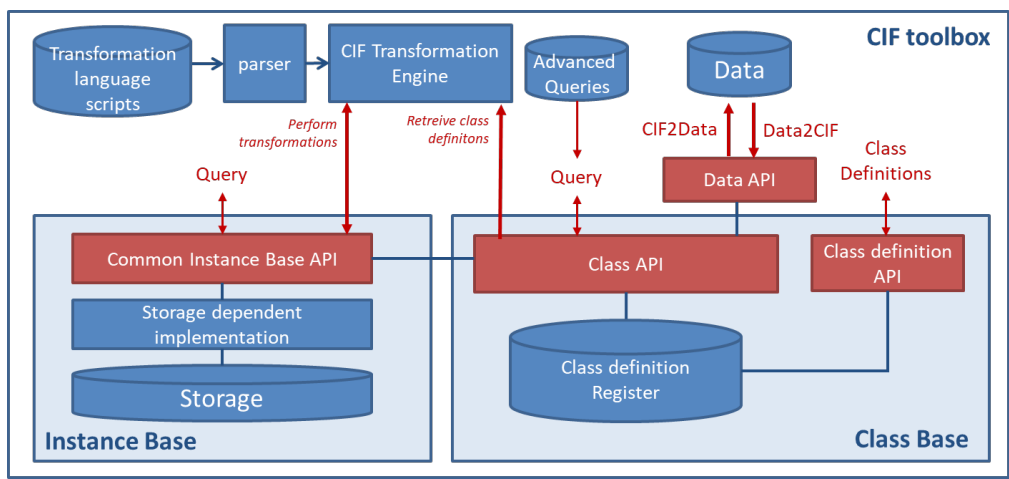


CERBERO Interoperability Format (CIF)

Users	<ul style="list-style-type: none"> System designers with interconnecting multi-view multi-tool needs Designers of and managers of multi-service processing with a lot of "open world" metadata Tool designers in open multi-tool environment
Key Features	<ul style="list-style-type: none"> Each tool / services read and write data in its own format Flat information representation with standardized API for interoperability Python reference implementation for CIF API
Benefits for the User	<ul style="list-style-type: none"> CIF enables to exchange, store, interpret, and merge metadata information in an efficient and transparent way on engineer's level without ontology specialist. "Write in your format, I read in my format" Efficient and robust data exchange, multi-tool / service processing, operation and analysis
Inputs	<ul style="list-style-type: none"> Tools' namespace schema relevant for other tools. Connection between flattened properties in different namespaces.
Outputs	<ul style="list-style-type: none"> Transparent information merge and update

Block Design

Architecture



Typical Scenario 1: CIF merged model hub where other tools / services are model views

