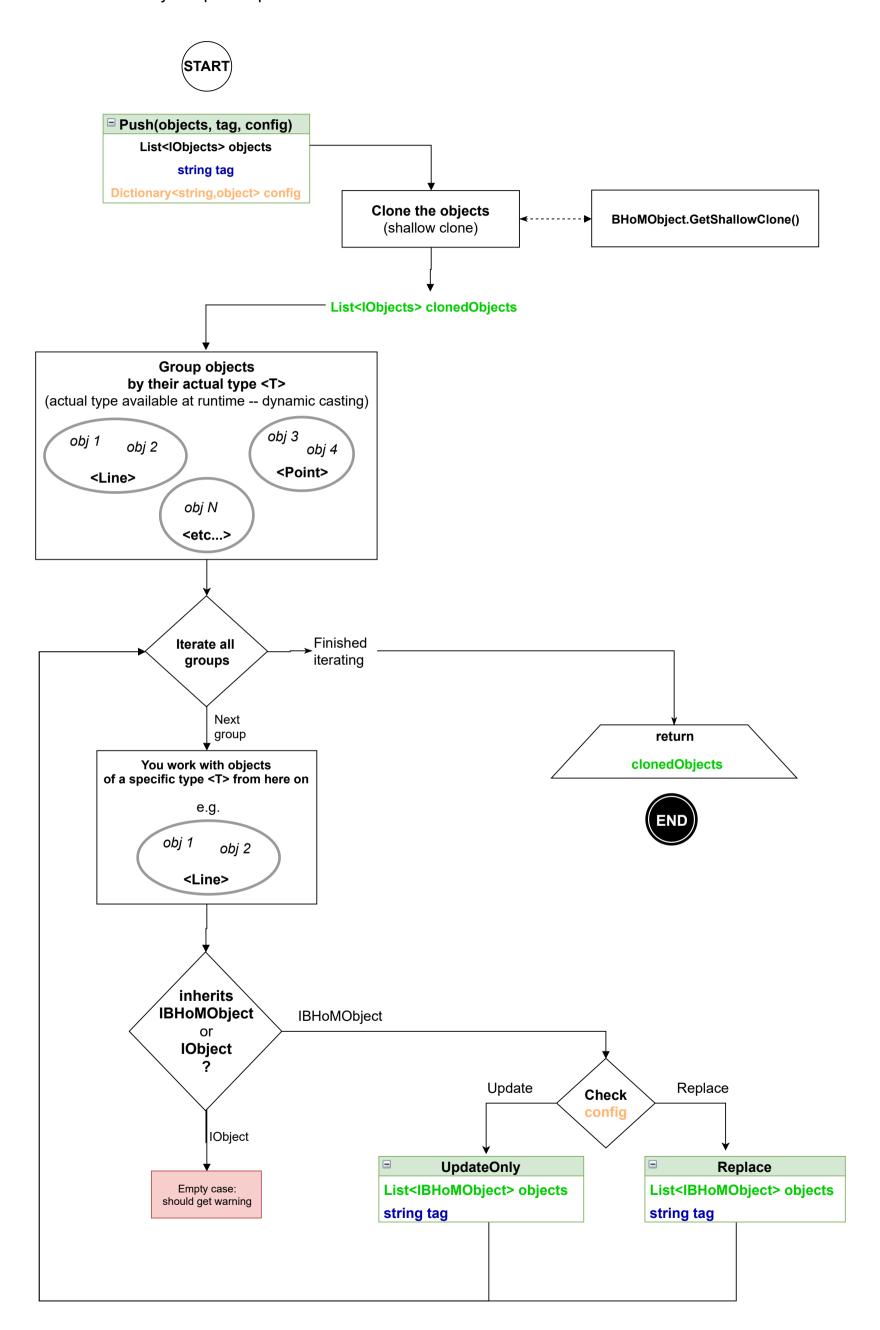
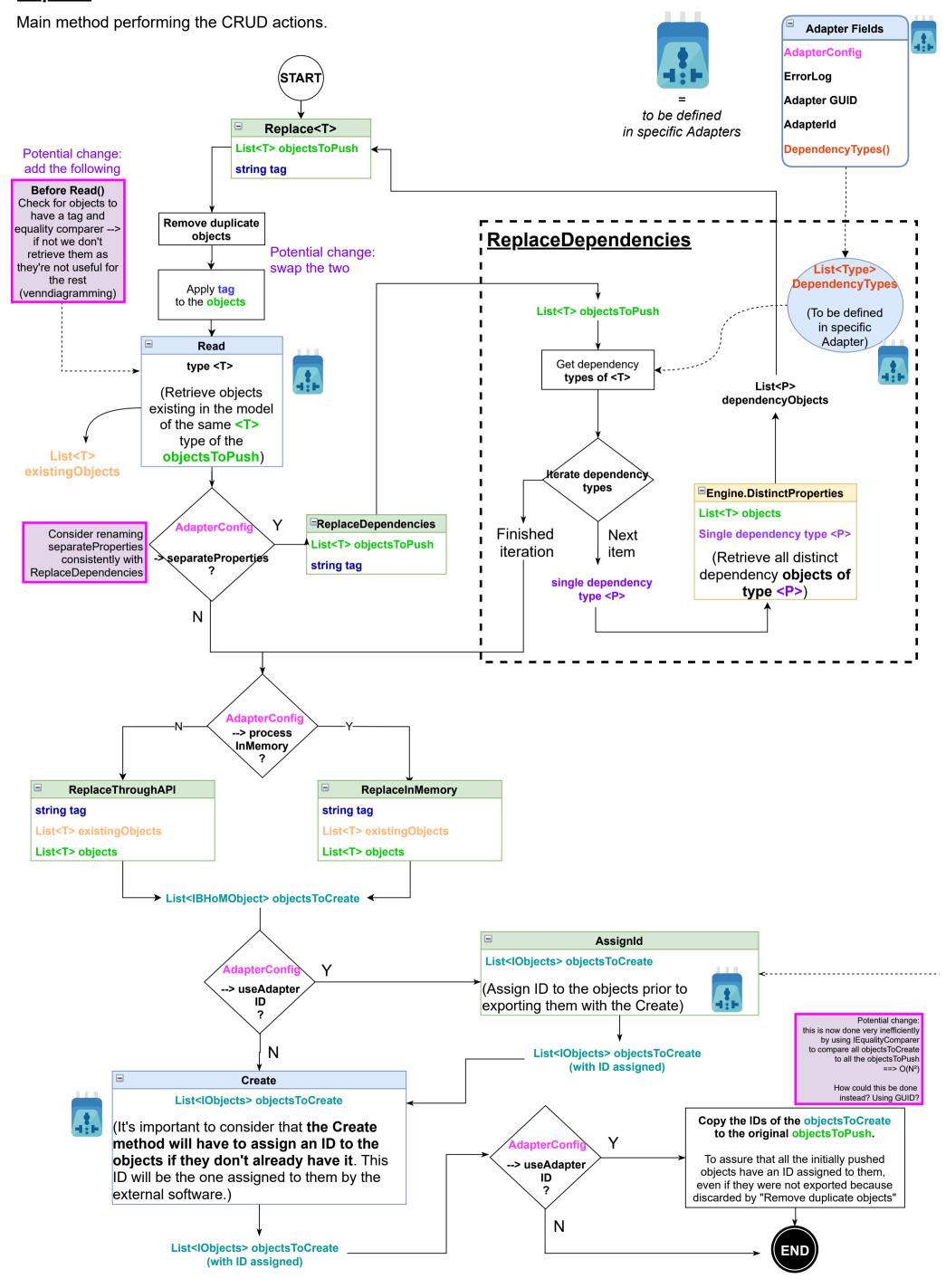
<u>PUSH</u>

Main method performing the CRUD actions. Can be overridden by adapter implementations.

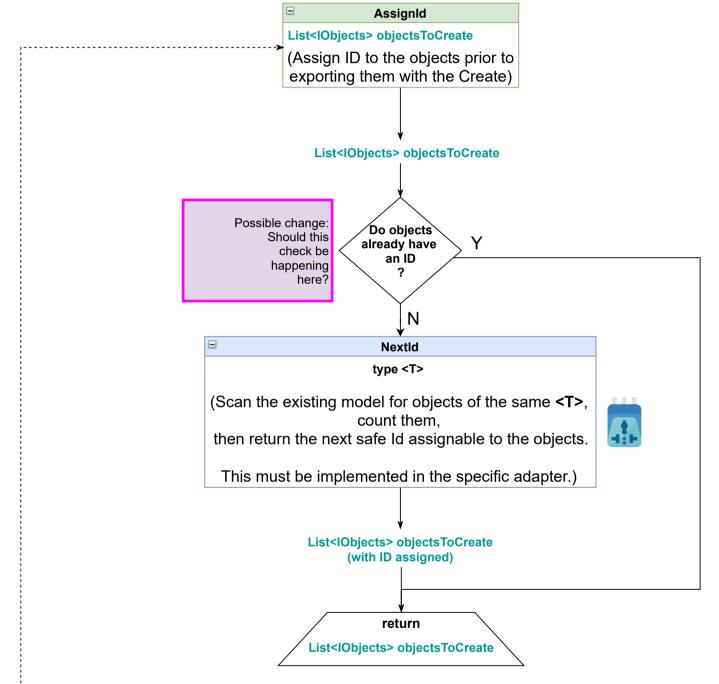


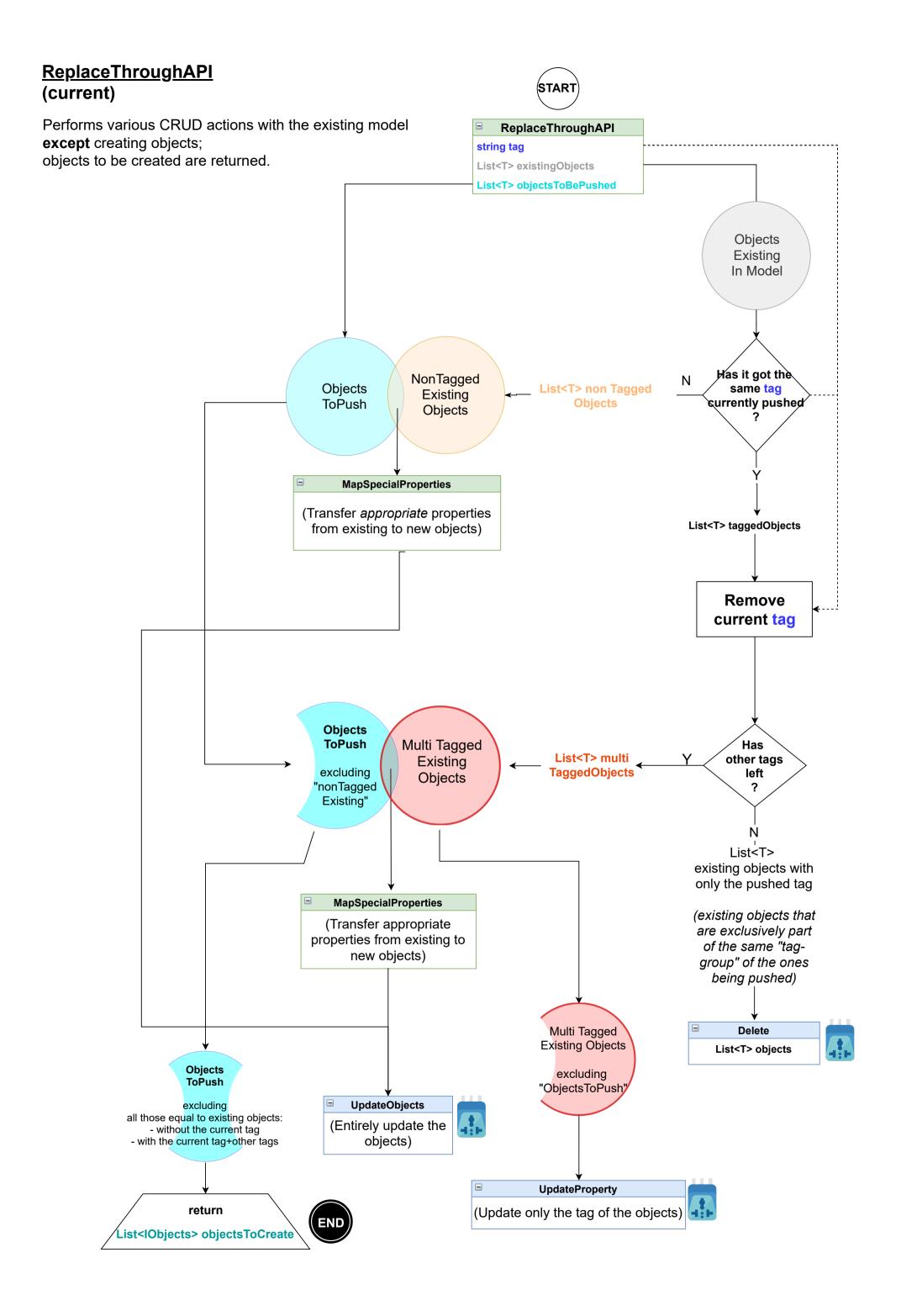
Replace

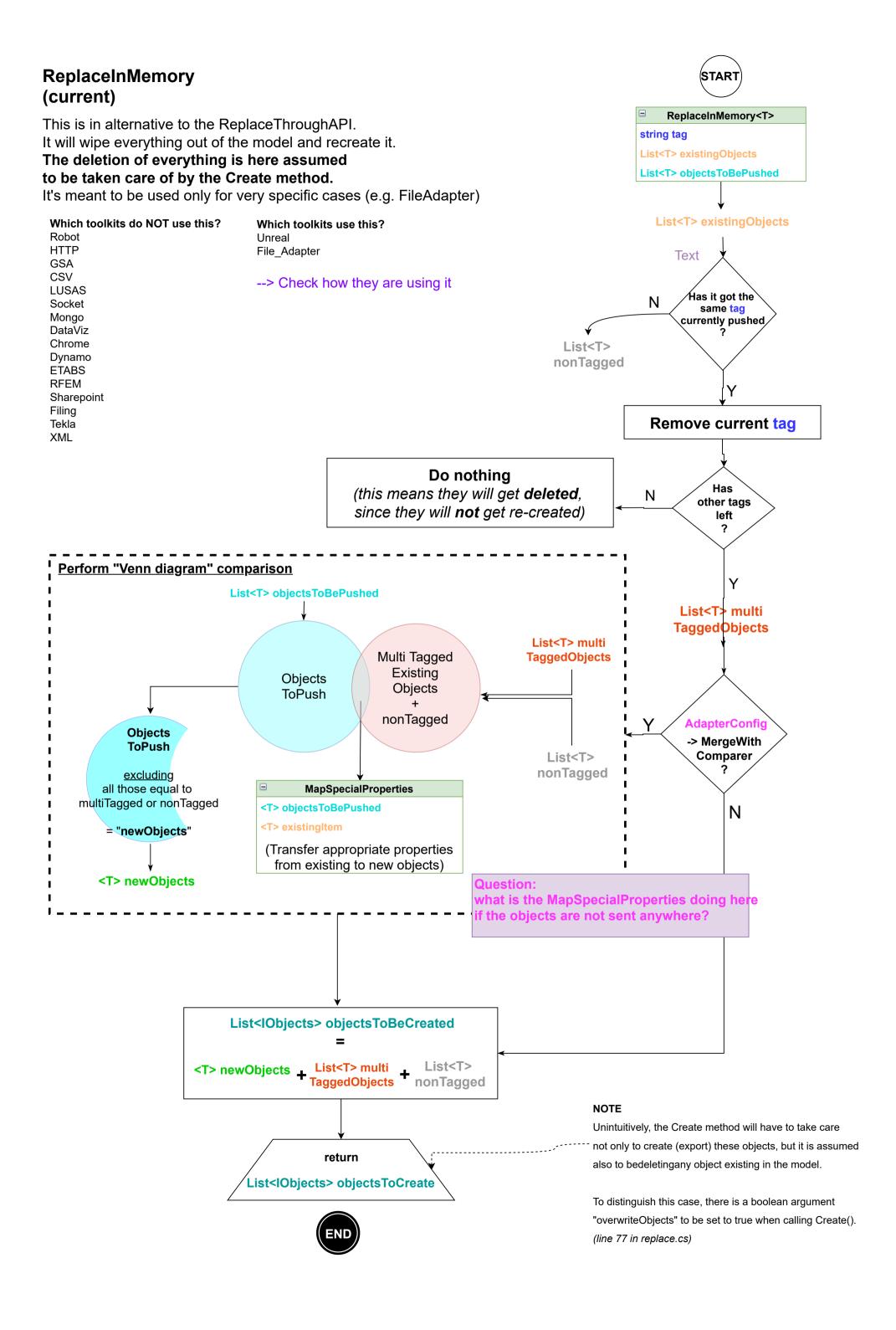


AssignId method

This method assigns a safe ID to the objects before attempting to export them.

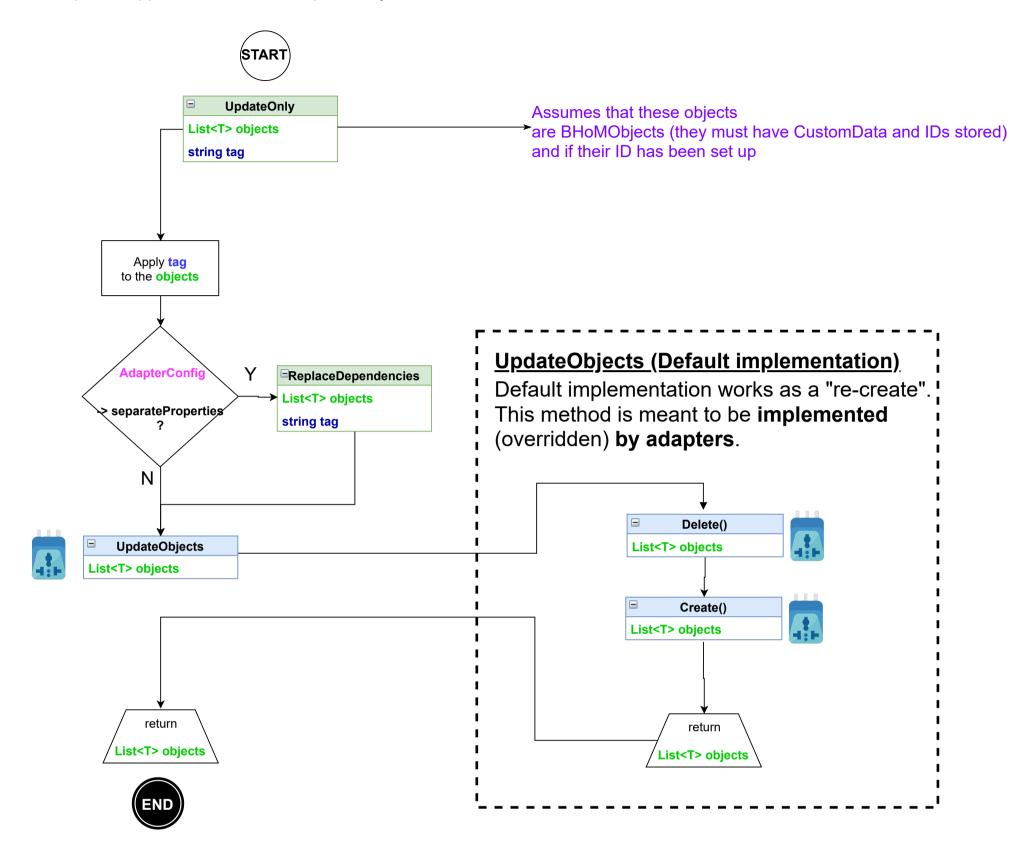






UpdateOnly

Adapter wrapper of the concrete UpdateObjects method

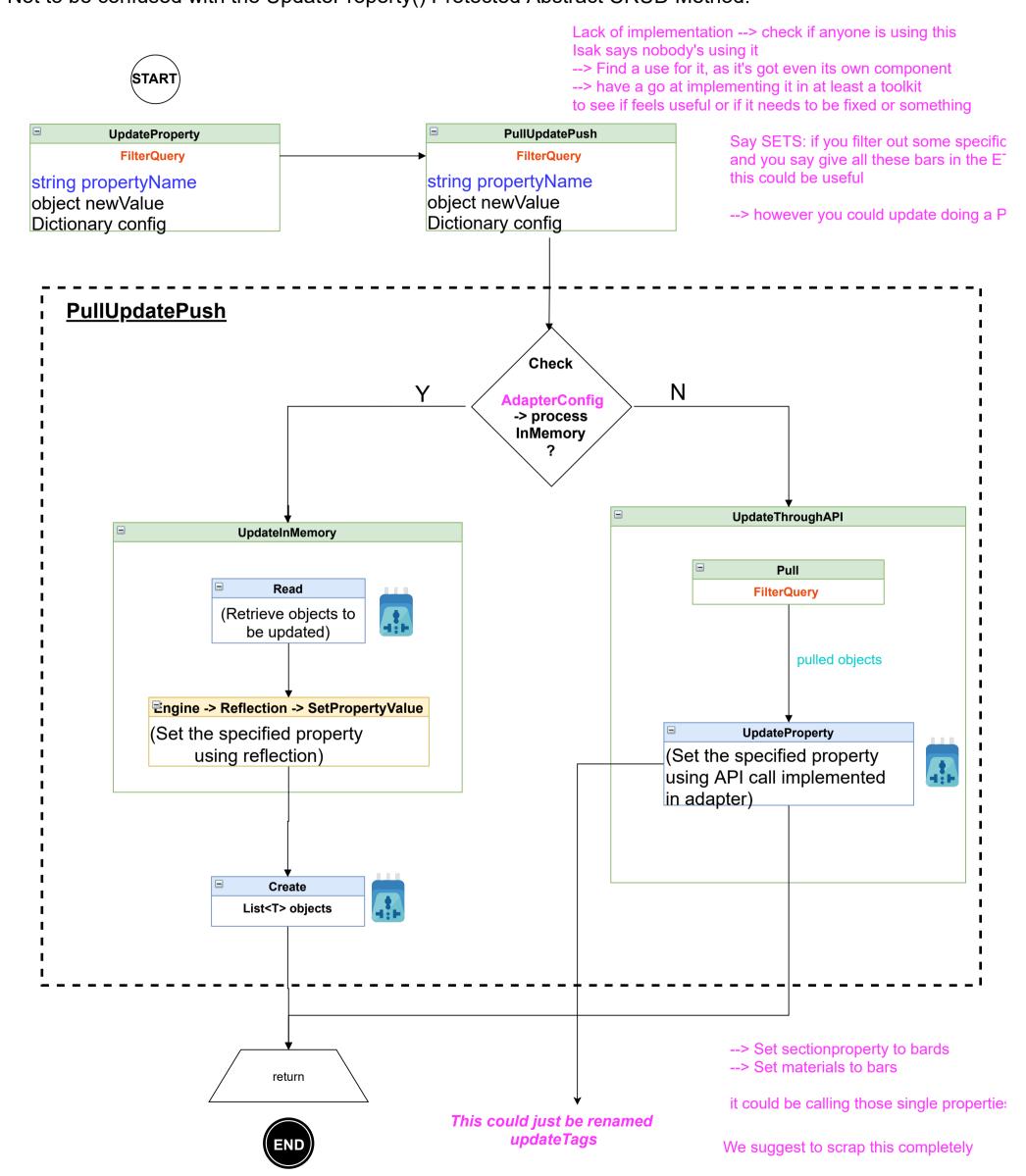


<u>UPDATEPROPERTY</u> (<u>Public Adapter Method</u>)

Default implementation of the method commonly used to update a single property of specified objects (e.g. only the tag).

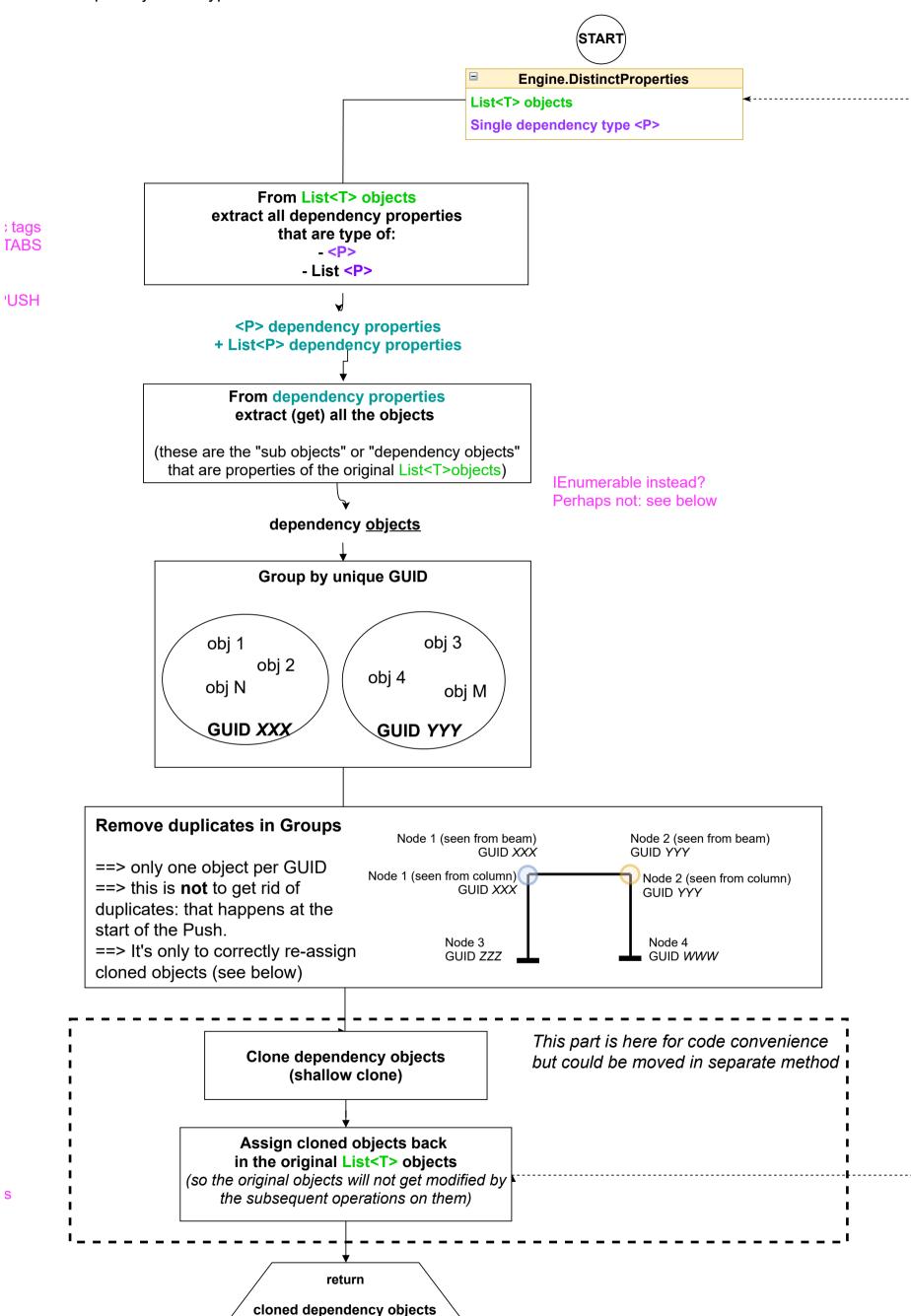
This method can be overridden by adapters.

Not to be confused with the UpdateProperty() Protected Abstract CRUD Method.



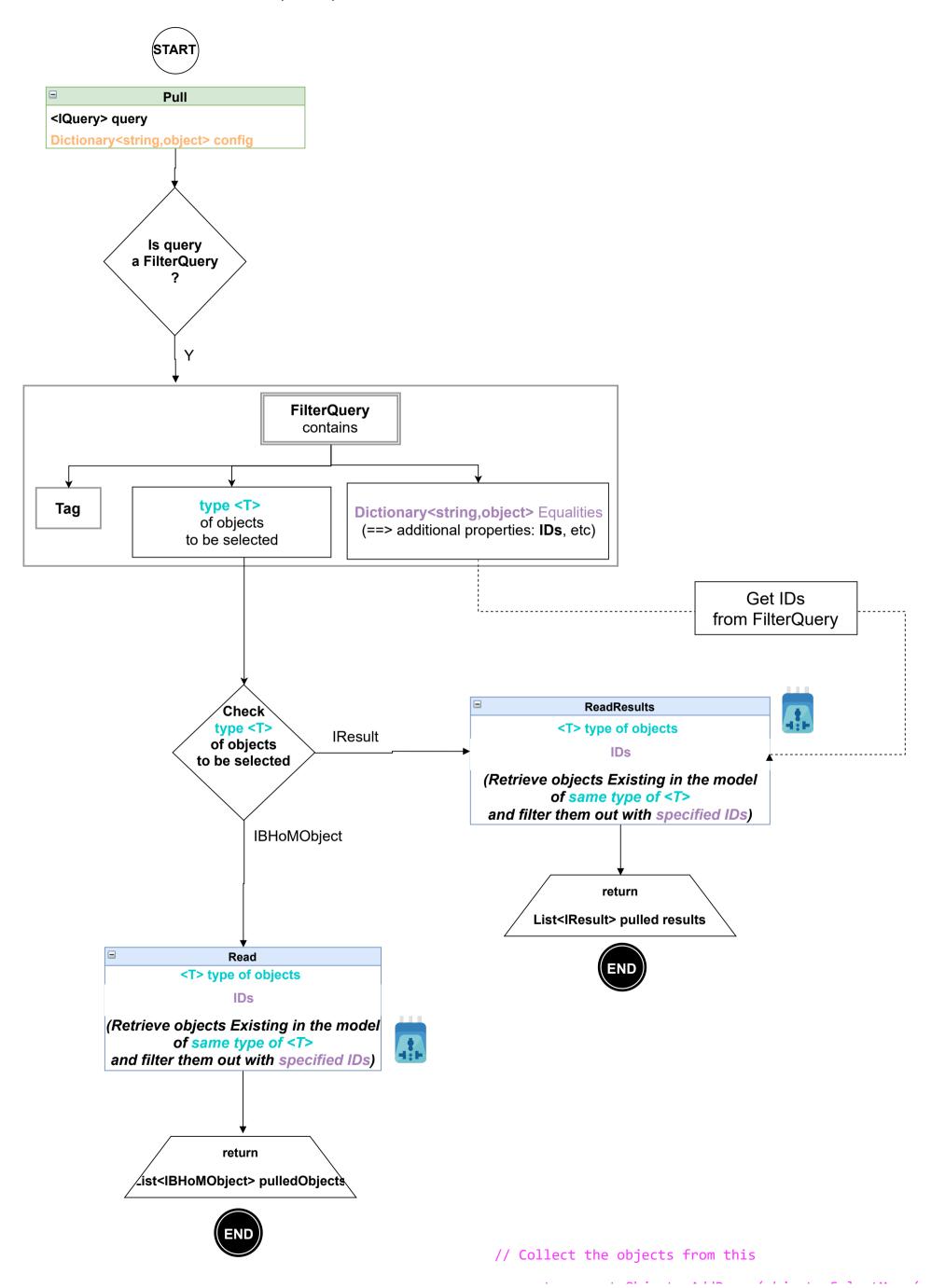
Engine.DistinctProperties

Retrieves all distinct dependency properties of a specified type <P> of the input objects of type <T>



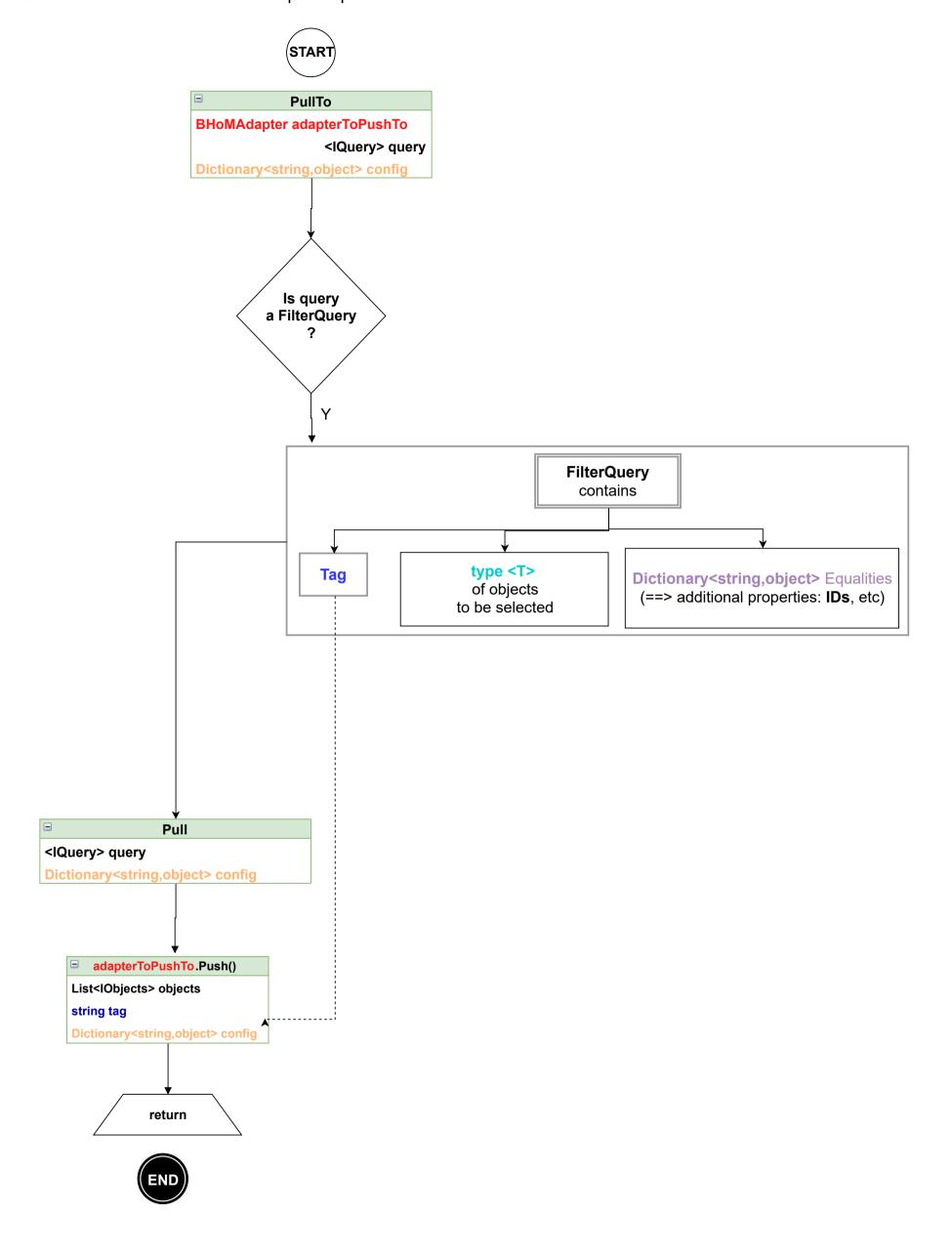
PULL

Main method performing the Read of an existing model. Can be overridden in concrete adapter implementations.



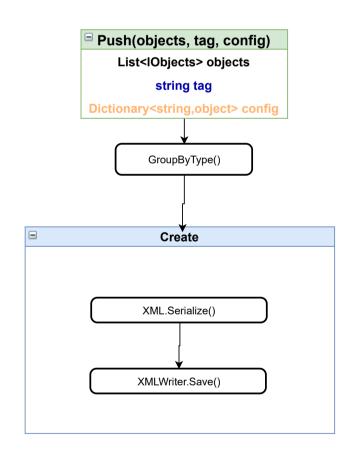
PULLTO

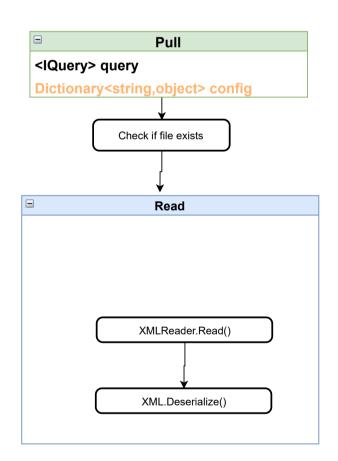
Main method performing the Read of an existing model. Can be overridden in concrete adapter implementations.



XMLAdapter

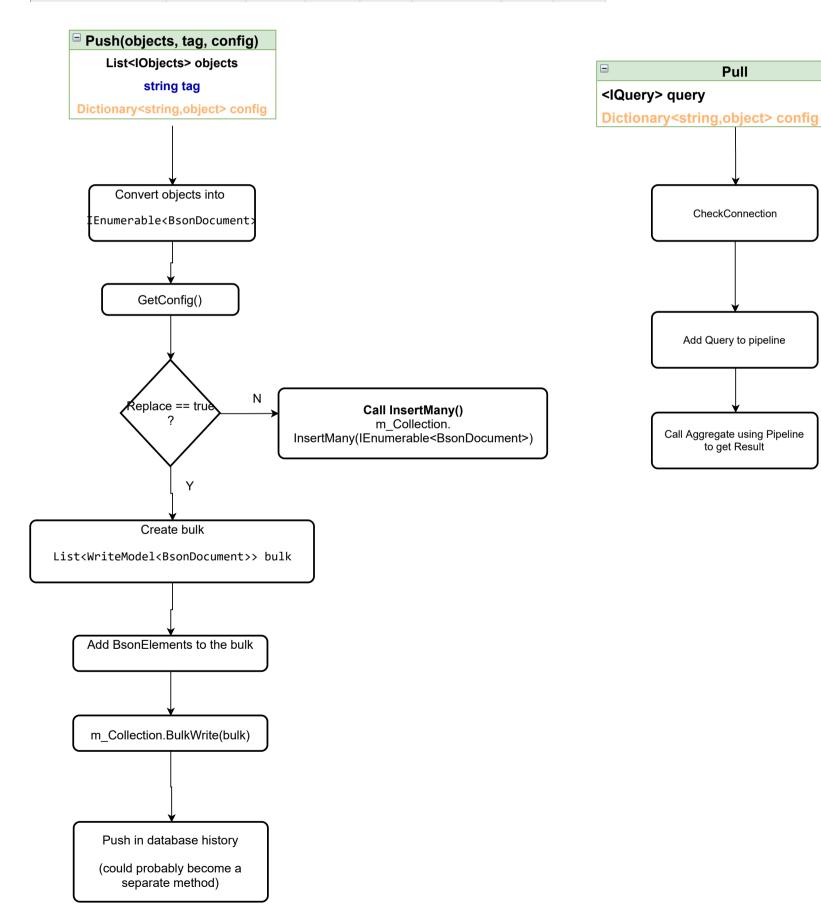
Adapter Config	Default value	Value	Comment				
CloneBeforePush	TRUE	TRUE					
MergeWithComparer	FALSE	TRUE	Adapter wil	I merge the	objects using	g the equality co	mparer
ProcessInMemory	FALSE	FALSE					
SeparateProperties	TRUE	TRUE					
UseAdapterId	TRUE	-					
Public Adapter Method	Overridden?	Comment					
Push	No						
Pull	No						
PullTo	No						
UpdateProperty	No						
Delete	No						
Execute	No						
Protected Abstract CRUD	Defined?	Description	n/Comment				
Create	Yes	Simple seri	alization write	e through X	MLSerializer/	StreamWriter	
Read	Yes	Simple seri	alization read	d throughXN	//LSerializer/S	StreamReader	
UpdateObjects	No						
UpdateProperty	No						
Delete	No						
ReadResults	No						
NextId	No						





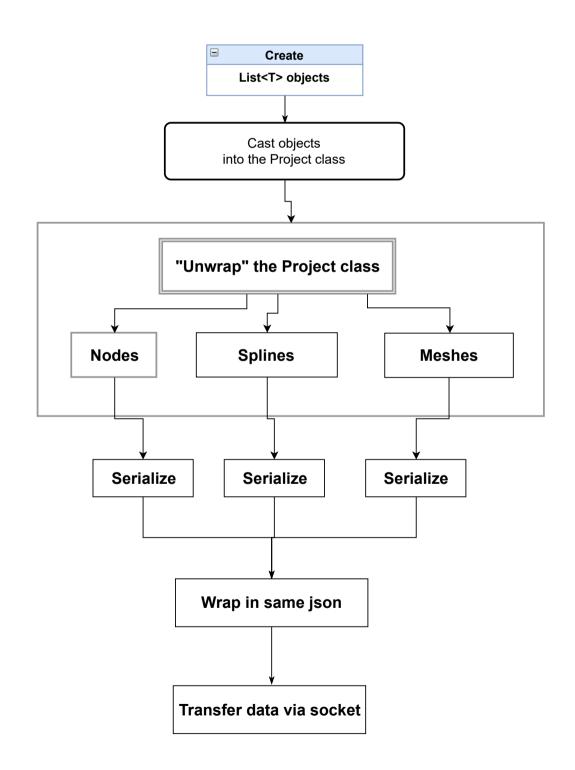
Mongo Adapter

Adapter Config	Default value	Value	Comment				
CloneBeforePush	TRUE	TRUE					
MergeWithComparer	FALSE	TRUE	Adapter wil	l merge th	e objects usir	ng the equality	comparer
ProcessInMemory	FALSE	FALSE					
SeparateProperties	TRUE	TRUE					
UseAdapterId	TRUE	-					
Public Adapter Method	Overridden?	Comment					
Push	Yes						
Pull	Yes						
PullTo	No	Not used					
UpdateProperty	Yes						
Delete	Yes			₽			
Execute	Yes						
Protected Abstract CRUD	Defined?	Description	n/Comment				
Create	No						
Read	No						
UpdateObjects	No						
UpdateProperty	No						
Delete	Yes						
ReadResults	No						
NextId	No						



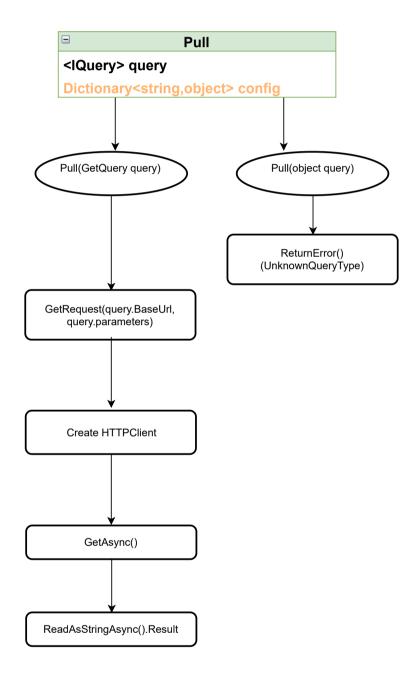
Unreal_Adapter

Adapter Config	Default value	Value	Comment								
CloneBeforePush	TRUE	FALSE	Since it doesn't use the API, IDs or tags, there is no need for cloning								
MergeWithComparer	FALSE	FALSE	Adapter will NOT merge the objects using the equality comparer. Does this mean I get duplicates for nodes?								
ProcessInMemory	FALSE	TRUE	Will not be usir	Vill not be using the API							
SeparateProperties	TRUE	TRUE									
UseAdapterId	TRUE	FALSE	Will not be usir	ng obje	cts ID						
Public Adapter Method	Overridden?	Comment									
Push	No	Not used									
Pull	No	Not used									
PullTo	No	Not used									
UpdateProperty	No	Not used									
Delete	No	Not used									
Execute	No	Not used									
Protected Abstract CRUD	Defined?	Description	n/Comment								
Create	Yes										
Read	No	Not used									
UpdateObjects	No	Not used									
UpdateProperty	No	Not used									
Delete	No	Not used									
ReadResults	No	Not used									
NextId	No	Not used									
Other Adapter Fields	Defined/used?	Comment									
Config	No										
ErrorLog	No										
DependencyTypes()	No										



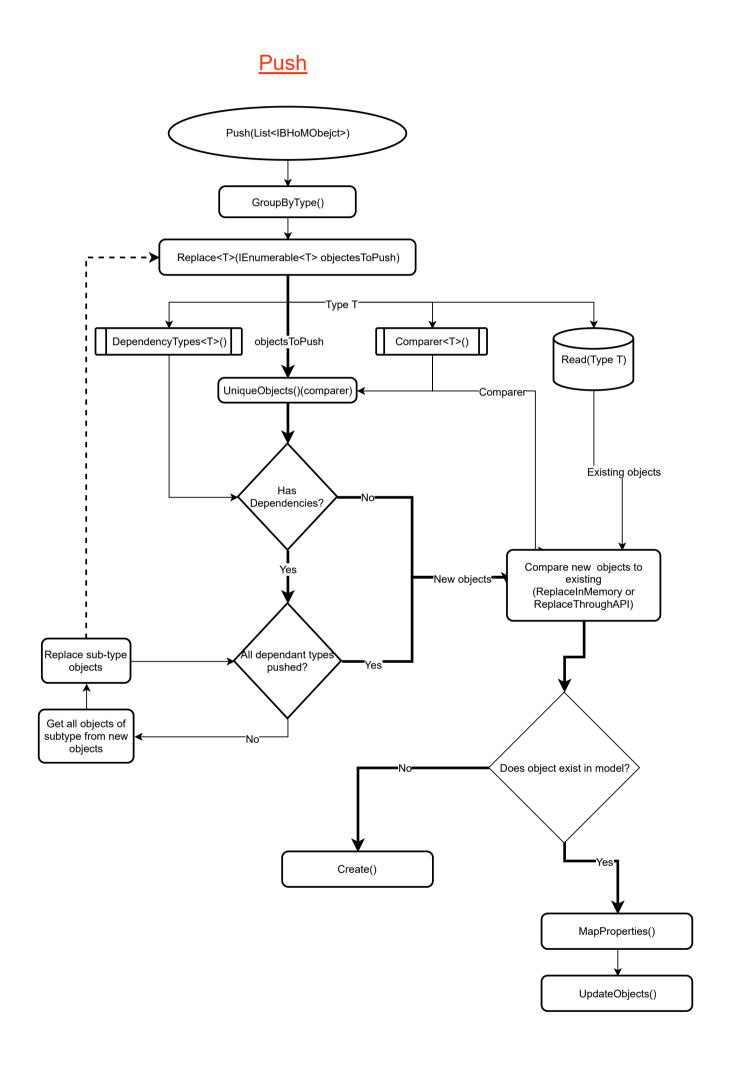
HTTP_Toolkit

- Push not implemented (POST request not implemented)
- Overrides Pull: implements a runtime Multiple Dispatch depending on query type ("overload" of different Pull methods)
- No Create or Read implemented



<u>Structural Adapters in general</u> (GSA, Robot, ETABS)

- Structural adapters do not override the Push/Pull methods
- GSA/Robot/ETABS/Tekla



propertypropertyObjects.AddRange(objects.SelectMany(x=>get)
modify what's inside the Addrange to match whatever it's no

Prop(x)));

eeded by the specific type

Questioning the ID reapplyinment?
SeparateProperties & DependancyTypes can be toggled to fully not use the IDs already

You create the dependencies before the parents
--> this is why you can rely on having correct IDs for objects when coding

Selective DeepCloning: keep track of the types that need to be cloned and of those that do not

How to have a deepcloning changes the diagrams

Then focus on the deepcloning as a complete isolated problem
The only relation with adapters is that's i'ts a selectiveCloning -> how to do a selection