

# WEB SERVICE UPDATER ARCHITECTURE

## Client

Client calls The **WEBSERVICE** `getInstance` method, either **requesting an Object instance** of given class or **sending a result or both!**

4. Uses The **Object** Instance!!!

3. **Deserialize** bytes (Creates an Object instance)!

2. Uses **Strategy flag** to **Decompress, Decrypt**

*WrappedObject processing steps*

1. Receiving **WrappedObject Instance** from Service!!!

### What client Sends

#### *ClassInfo info*

ClassName, ConstrArg  
Strategy flag, Process flag

#### *WrappedObject result*

ClassName  
byte array  
Strategy flag, Process flag

### What client Gets

#### *WrappedObject Instance*

ClassName  
byte array  
Strategy flag, Process flag

## Service

Exposes one public method

**WrappedObject** `getInstance(ClassInfo info, WrappedObject result);`

1. Uses **ClassInfo** to Create an **Instance** of that class!!!

2. Uses **Process flag** to fill the instance attributes and/or to process **result**!!!

3. **Serializes** instance (Convert to byte array)!!!

*WrappedObject creation steps*

4. Uses **Strategy flag** to **Compress, Encrypt**, etc..

5. Creates **WrappedObject Instance** and sends it to Client!!! The service processes the result by the same scheme that client processes **WrappedObject Instance**.