* OpenMI 2.0. SDK was incomplete
  + Errors in reading omi files and serializing opr projects fixed
  + UI for adapted outputs fixed to accommodate IMultiInput exchange items
  + Removed unnecessary abstractions as much as possible
  + Changed the SDK and GUI to better handle adapted outputs and the IMultiInput exchange item
* SWMM Model OpenMI 2.0 component
  + Marshalling whole C/C++ structs have been exposed to c# to improve the data exchange. Better than reading from output file.
  + Original C code modified to retrieve objects easier

//------------

// NODE OBJECT

//------------

struct TNode

{

char\* ID; // node ID

int type; // node type code

int subIndex; // index of node's sub-category

char rptFlag; // reporting flag

double invertElev; // invert elevation (ft)

double initDepth; // initial storage level (ft)

double fullDepth; // dist. from invert to surface (ft)

double surDepth; // added depth under surcharge (ft)

double pondedArea; // area filled by ponded water (ft2)

TExtInflow\* extInflow; // pointer to external inflow data

TDwfInflow\* dwfInflow; // pointer to dry weather flow inflow data

TRdiiInflow\* rdiiInflow; // pointer to RDII inflow data

TTreatment\* treatment; // array of treatment data

int degree; // number of outflow links

char updated; // true if state has been updated

double crownElev; // top of highest connecting conduit (ft)

double inflow; // total inflow (cfs)

double outflow; // total outflow (cfs)

double oldVolume; // previous volume (ft3)

double newVolume; // current volume (ft3)

double fullVolume; // max. storage available (ft3)

double overflow; // overflow rate (cfs)

double oldDepth; // previous water depth (ft)

double newDepth; // current water depth (ft)

double oldLatFlow; // previous lateral inflow (cfs)

double newLatFlow; // current lateral inflow (cfs)

double\* oldQual; // previous quality state

double\* newQual; // current quality state

double oldFlowInflow; // previous flow inflow

double oldNetInflow; // previous net inflow

};typedef struct TNode TNode;

* + Links - Comprising Conduits, Pumps, Orifices , Weirs, Outlets
  + Nodes - Junctions, Outfalls, Dividers, Storage Units
  + Catchments
  + Both time varying and static properties of objects important for design/stochastic/optimization simulations introduced.
  + Other objects yet to be exposed. Can be easily exposed as needed using templates provided
    - Climate data
    - Infiltration, Groundwater, and Aquifer
    - Curves - Rating curves, diversion curves, storage curves etc.
    - Pollutants
    - Land Use
    - Time Series
    - etc
* Simple routing test

Suggested Modifications to OpenMI

* DataDefinition to more tightly integrate space, time, and data. Currently OpenMI
* IBaseValueSet should be moved to IBaseExchangeItem since every exchange item has data associated with it.