Subject: Re: Unterminated processing info in XmlParser
Posted by nixnixnix on Fri, 23 May 2014 23:51:18 GMT
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It ended up being a user error but I have a similar and more vexing example now. This code and script worked fine yesterday and then the same executable and the same xml file stopped working which to me is pure nonsense. I have checked the file for corruption but would appreciate your take on it. Here is the code I use:

```
bool OwScripterDlg::LoadS(String path)
{
 FileIn iFile(path);

 if(!iFile.IsOpen())
 {
  return false;
 }

 int len = (int)iFile.GetSize();
 Buffer<char> pBuf;
 pBuf.Alloc(len);

 iFile.GetAll(pBuf,len);

 iFile.Close();

 String xml = ~pBuf;

 XmlNode xn = ParseXML(xml);

 OwScript script;

 int n = xn["OpenWindScript"]["AllOperations"].GetCount(); // gets subtags of OpenWind

 script.m_sPath = xn["OpenWindScript"]["ReportPath"].Attr("value");
 script.m_bAfter = xn["OpenWindScript"]["AppendOperations"].Attr("value")!="Sideways";
 script.m_bArray = xn["OpenWindScript"]["ArrayEfficiencyField"].Attr("value")=="true";
 script.m_bFreeWS = xn["OpenWindScript"]["FreeWindspeedField"].Attr("value")=="true";
 script.m_bGross = xn["OpenWindScript"]["GrossEnergyField"].Attr("value")=="true";
 script.m_bMeanWS = xn["OpenWindScript"]["MeanWindspeedField"].Attr("value")=="true";
 script.m_bNet = xn["OpenWindScript"]["NetEnergyField"].Attr("value")=="true";
 script.m_bSite = xn["OpenWindScript"]["SiteNameField"].Attr("value")=="true";
 script.m_bTI = xn["OpenWindScript"]["TurbulenceTotalField"].Attr("value")=="true";
 script.m_bTT = xn["OpenWindScript"]["TurbineTypeField"].Attr("value")=="true";
 script.m_bLabel = xn["OpenWindScript"]["TurbineLabelField"].Attr("value")=="true";
 script.m_bIndex = xn["OpenWindScript"]["TurbineIndexField"].Attr("value")=="true";
 script.m_bTX = xn["OpenWindScript"]["TurbineXField"].Attr("value")=="true";
```

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 script.m_bTY = xn["OpenWindScript"]["TurbineYField"].Attr("value")=="true";
 script.m_bTI15 = xn["OpenWindScript"]["TI15"].Attr("value")=="true";
 script.m_bAmbientTI = xn["OpenWindScript"]["AmbientTI"].Attr("value")=="true";
 script.m_bArrayEnergy = xn["OpenWindScript"]["ArrayEnergyField"].Attr("value")=="true";

 script.m_ops.SetCount(n);

 for(int i=0;i<n;i++)
 {
  String type = xn["OpenWindScript"]["AllOperations"][i]["Type"].Attr("value");

  if(type=="Energy Capture")
  {
   script.m_ops[i].op = OP_EC;
   script.m_ops[i].ec.uMin = atof(xn["OpenWindScript"]["AllOperations"][i]["Umin"].Attr("value"));
   script.m_ops[i].ec.uMax = atof(xn["OpenWindScript"]["AllOperations"][i]["Umax"].Attr("value"));
   script.m_ops[i].ec.uStep = atof(xn["OpenWindScript"]["AllOperations"][i]["Ustep"].Attr("value"));
   script.m_ops[i].ec.SetWake(xn["OpenWindScript"]["AllOperations"][i]["WakeModel"].Attr("value"))
;
   script.m_ops[i].ec.m_nDirs =
int(atof(xn["OpenWindScript"]["AllOperations"][i]["TotalDirections"].Attr("value")));
   script.m_ops[i].ec.SetFirstStep(int(atof(xn["OpenWindScript"]["AllOperations"][i]["FirstDirection"].
Attr("value"))));
   script.m_ops[i].ec.SetLastStep(int(atof(xn["OpenWindScript"]["AllOperations"][i]["LastDirection"].
Attr("value"))));
   script.m_ops[i].ec.m_fDirOffset =
atof(xn["OpenWindScript"]["AllOperations"][i]["DirectionOffset"].Attr("value"));
   script.m_ops[i].ec.SetOnly1sector((script.m_ops[i].ec.GetLastStep()!=script.m_ops[i].ec.m_nDirs
-1 || script.m_ops[i].ec.GetFirstStep()!=0));
   script.m_ops[i].ec.SetPXX(max(50.0,atof(xn["OpenWindScript"]["AllOperations"][i]["Pxx"].Attr("va
lue"))));
   script.m_ops[i].ec.m_bTI = true;
  }
  else if(type=="Change Workbook")
  {
   script.m_ops[i].op = OP_BLB;
   script.m_ops[i].path = xn["OpenWindScript"]["AllOperations"][i]["Path"].Attr("value");
  }
  else if(type=="Global Parameters")
  {
   script.m_ops[i].op = OP_GLOBALS;
   script.m_ops[i].globals.SetAdjustToTrueNorth(bool(atof(xn["OpenWindScript"]["AllOperations"][i][
"AdjustToNorth"].Attr("value"))));
   script.m_ops[i].globals.SetAirDensityLapseRate(atof(xn["OpenWindScript"]["AllOperations"][i]["Ai
rDensityLapseRate"].Attr("value")));
   if(xn["OpenWindScript"]["AllOperations"][i].FindTag("SetAirDensityLapseRate"))
   {
    if(int(atof(xn["OpenWindScript"]["AllOperations"][i]["SetAirDensityLapseRate"].Attr("value"))))
```

```
       script.m_ops[i].globals.SetAirDensityLapseRate();
     else
       script.m_ops[i].globals.SetTemperatureLapseRate();
   }
   script.m_ops[i].globals.SetTemperatureLapseRate(atof(xn["OpenWindScript"]["AllOperations"][i][
"TemperatureLapseRate"].Attr("value")));
   script.m_ops[i].globals.SetDefaultTI(atof(xn["OpenWindScript"]["AllOperations"][i]["DefaultTurbul
enceIntensity"].Attr("value")));
 }
 else if(type=="Time-Series Energy Capture")
 {
   int year,day,month,hour,minute;

   script.m_ops[i].op = OP_ECTS;
   script.m_ops[i].ec.SetTimeSeries();

   script.m_ops[i].ec.m_nDirs =
atoi(xn["OpenWindScript"]["AllOperations"][i]["TotalDirections"].Attr("value"));
   script.m_ops[i].ec.SetWake(xn["OpenWindScript"]["AllOperations"][i]["WakeModel"].Attr("value"))
;
   script.m_ops[i].ec.uStep = atof(xn["OpenWindScript"]["AllOperations"][i]["Ustep"].Attr("value"));

   year = atoi(xn["OpenWindScript"]["AllOperations"][i]["StartYear"].Attr("value"));
   month = atoi(xn["OpenWindScript"]["AllOperations"][i]["StartMonth"].Attr("value"));
   day = atoi(xn["OpenWindScript"]["AllOperations"][i]["StartDay"].Attr("value"));
   hour = atoi(xn["OpenWindScript"]["AllOperations"][i]["StartHour"].Attr("value"));
   minute = atoi(xn["OpenWindScript"]["AllOperations"][i]["StartMinute"].Attr("value"));

   script.m_ops[i].ec.SetStart(Time(year,month,day,hour,minute,0));

   year = atoi(xn["OpenWindScript"]["AllOperations"][i]["EndYear"].Attr("value"));
   month = atoi(xn["OpenWindScript"]["AllOperations"][i]["EndMonth"].Attr("value"));
   day = atoi(xn["OpenWindScript"]["AllOperations"][i]["EndDay"].Attr("value"));
   hour = atoi(xn["OpenWindScript"]["AllOperations"][i]["EndHour"].Attr("value"));
   minute = atoi(xn["OpenWindScript"]["AllOperations"][i]["EndMinute"].Attr("value"));

   script.m_ops[i].ec.SetStop(Time(year,month,day,hour,minute,0));

   script.m_ops[i].ec.SetInterval(atoi(xn["OpenWindScript"]["AllOperations"][i]["IntervalSeconds"].At
tr("value")));
   script.m_ops[i].ec.SetScaleToYear(atoi(xn["OpenWindScript"]["AllOperations"][i]["ScaleToYear"].
Attr("value"))!=0);
   script.m_ops[i].ec.SetTimeSeriesTI(atoi(xn["OpenWindScript"]["AllOperations"][i]["TurbulenceInt
ensity"].Attr("value"))!=0);
   script.m_ops[i].ec.SetTempShutdown(atoi(xn["OpenWindScript"]["AllOperations"][i]["Temperatur
eShutdown"].Attr("value"))!=0);
   script.m_ops[i].ec.SetAirDensity(atoi(xn["OpenWindScript"]["AllOperations"][i]["AirDensity"].Attr("
value"))!=0);
```

```
   script.m_ops[i].ec.m_fDirOffset =
atof(xn["OpenWindScript"]["AllOperations"][i]["DirectionOffset"].Attr("value"));

   script.m_ops[i].ec.m_bTI = true;
  }
  else if(type=="Replace Met Data")
  {
   script.m_ops[i].op = OP_METDATA;
   script.m_ops[i].path = xn["OpenWindScript"]["AllOperations"][i]["Path"].Attr("value");
  }
  else if(type=="OCOE")
  {
   script.m_ops[i].op = OP_OCOE;
  }
  else if(type=="OCOE Test")
  {
   script.m_ops[i].op = OP_OCOE_EC;
  }
  else if(type=="Optimise")
  {
   script.m_ops[i].op = OP_OPTIMISE;
  }
  else if(type=="Site Properties")
  {
   script.m_ops[i].op = OP_SITEPROP;

   script.m_ops[i].sName = xn["OpenWindScript"]["AllOperations"][i]["SiteName"].Attr("value");
   script.m_ops[i].bEnable =
atoi(xn["OpenWindScript"]["AllOperations"][i]["Enable"].Attr("value"))!=0;
   script.m_ops[i].bFixed = atoi(xn["OpenWindScript"]["AllOperations"][i]["Fixed"].Attr("value"))!=0;
   script.m_ops[i].bGrow = atoi(xn["OpenWindScript"]["AllOperations"][i]["Grow"].Attr("value"))!=0;
   script.m_ops[i].bOptimise =
atoi(xn["OpenWindScript"]["AllOperations"][i]["IncludeInOptimiser"].Attr("value"))!=0;
   script.m_ops[i].bSwitch =
atoi(xn["OpenWindScript"]["AllOperations"][i]["SetTurbineType"].Attr("value"))!=0;
   script.m_ops[i].sType = xn["OpenWindScript"]["AllOperations"][i]["TurbineType"].Attr("value");
  }
  else if(type=="Exit")
  {
   script.m_ops[i].op = OP_EXIT;
  }
  else if(type=="Replace Turbine Type")
  {
   script.m_ops[i].op = OP_TURBINE;

   script.m_ops[i].sType = xn["OpenWindScript"]["AllOperations"][i]["TurbineName"].Attr("value");
   script.m_ops[i].path = xn["OpenWindScript"]["AllOperations"][i]["TurbinePath"].Attr("value");
```

```
 }
}

 Set(script);

 return true;
}
```

and I have uploaded the file. I get an exception of "Unterminated tag" but when I run it in debug mode it loads up fine so that is puzzling too.

Any help would be greatly appreciated.

Nick

File Attachments
1) testDAWMev_backCast.xml, downloaded 295 times