**EvalBuf Function**

**What is evalBuf Function?**

Evaluates the input string of X++ code, then returns the result as a string.

# str evalBuf(str expressionString)

# evalBuf – Evaluate string expression in X++

evalBuf Function is a very strong API in X++. We can quite easily evaluate complex algebraic expressions given in string and the result is also given back in string. This API should be used along with CodeAccessPermission.

This evalBuf Function can calculate the values of any Numerical Expression, rather than an Algebraic Expression. So, the formula represented in Algebraic Expression needed to be converted into a Numerical Expression.

For example, an input of 2 + 4 results in the string 6, not in the integer 6.

Further, if an attacker can control input to the evalBuf function, it presents a security risk. Therefore, this function runs under Code Access Security. Calls to this function on the server require permission from the ExecutePermission Class.

**For Example:**

**static** **void** JobEvalBufDemo(Args \_args)

{

ExecutePermission perm;

**int** A,B,C;

**str** strResult;

;

A=**2**;

B=**5**;

C=**10**;

perm = **new** ExecutePermission();

**if** (perm != **null**)

{

perm.assert();

strResult = **EvalBuf**(**int2str**(A+(B\*C)));

CodeAccessPermission::revertAssert();

}

info(**strFmt**("Result is: %1", strResult));

}

**Output :**

