

# XPATH+ EBNF

LocationPath	::= <a href="#">RelativeLocationPath</a>   <a href="#">AbsoluteLocationPath</a>
AbsoluteLocationPath	::= '/' <a href="#">RelativeLocationPath</a> ?
RelativeLocationPath	::= <a href="#">Step</a>   <a href="#">RelativeLocationPath</a> '/' <a href="#">Step</a>   <a href="#">AbbreviatedRelativeLocationPath</a>
Step	::= <a href="#">AxisSpecifier</a> <a href="#">NodeTest</a> <a href="#">Predicate</a> *
AxisSpecifier	::= <a href="#">AxisName</a> '::'   <a href="#">AbbreviatedAxisSpecifier</a>
AxisName	::= 'ancestor'   'ancestor-or-self'   'attribute'   'child'   'descendant'   'descendant-or-self'   'following'   'following-sibling'   'namespace'   'parent'   'preceding'   'preceding-sibling'   'self'   <b>'link-destination'</b>   <b>'link-source'</b>
NodeTest	::= <a href="#">NameTest</a>   <a href="#">NodeType</a> '(' ')'   'processing-instruction' '(' <a href="#">Literal</a> ')'
Predicate	::= '[' <a href="#">PredicateExpr</a> ']'   <b>'[(' <a href="#">PredicateExpr</a> ')']'</b>
PredicateExpr	::= <a href="#">Expr</a>
AbbreviatedAbsoluteLocationPath	::= '//'   <b>'//'<a href="#">RelativeLocationPath</a></b>
AbbreviatedRelativeLocationPath	::= <a href="#">RelativeLocationPath</a> '//'   <b>'//'<a href="#">RelativeLocationPath</a></b>
AbbreviatedStep	::= '.'   '..'   <b>'...'</b>
AbbreviatedAxisSpecifier	::= '@'?
Expr	::= <a href="#">OrExpr</a>
PrimaryExpr	::= <a href="#">VariableReference</a>   '(' <a href="#">Expr</a> ')'   <a href="#">Literal</a>   <a href="#">Number</a>   <a href="#">FunctionCall</a>
FunctionCall	::= <a href="#">FunctionName</a> '(' ( <a href="#">Argument</a> (',' <a href="#">Argument</a> ))* )? )'
Argument	::= <a href="#">Expr</a>
UnionExpr	::= <a href="#">PathExpr</a>   <a href="#">UnionExpr</a> ' ' <a href="#">PathExpr</a>
PathExpr	::= <a href="#">LocationPath</a>   <a href="#">FilterExpr</a>   <a href="#">FilterExpr</a> '/' <a href="#">RelativeLocationPath</a>   <a href="#">FilterExpr</a> '//'   <a href="#">FilterExpr</a> '//' <a href="#">RelativeLocationPath</a>
FilterExpr	::= <a href="#">PrimaryExpr</a>   <a href="#">FilterExpr</a> <a href="#">Predicate</a>
OrExpr	::= <a href="#">AndExpr</a>

AndExpr	<a href="#">OrExpr</a> 'or' <a href="#">AndExpr</a> ::= <a href="#">EqualityExpr</a>
EqualityExpr	<a href="#">AndExpr</a> 'and' <a href="#">EqualityExpr</a> ::= <a href="#">RelationalExpr</a>
RelationalExpr	<a href="#">EqualityExpr</a> '=' <a href="#">RelationalExpr</a>   <a href="#">EqualityExpr</a> '!=' <a href="#">RelationalExpr</a> ::= <a href="#">AdditiveExpr</a>   <a href="#">RelationalExpr</a> '<' <a href="#">AdditiveExpr</a>   <a href="#">RelationalExpr</a> '>' <a href="#">AdditiveExpr</a>   <a href="#">RelationalExpr</a> '<=' <a href="#">AdditiveExpr</a>   <a href="#">RelationalExpr</a> '>=' <a href="#">AdditiveExpr</a>
AdditiveExpr	::= <a href="#">MultiplicativeExpr</a>   <a href="#">AdditiveExpr</a> '+' <a href="#">MultiplicativeExpr</a>   <a href="#">AdditiveExpr</a> '-' <a href="#">MultiplicativeExpr</a>
MultiplicativeExpr	::= <a href="#">UnaryExpr</a>   <a href="#">MultiplicativeExpr</a> <a href="#">MultiplyOperator</a> <a href="#">UnaryExpr</a>   <a href="#">MultiplicativeExpr</a> 'div' <a href="#">UnaryExpr</a>   <a href="#">MultiplicativeExpr</a> 'mod' <a href="#">UnaryExpr</a>
UnaryExpr	::= <a href="#">UnionExpr</a>   '-' <a href="#">UnaryExpr</a>
ExprToken	::= '('   ')'   '['   ']'   ':'   ';'   '@'   ','   '::'   '...'   '['   ']'
	<a href="#">NameTest</a>   <a href="#">NodeType</a>   <a href="#">Operator</a>   <a href="#">FunctionName</a>   <a href="#">AxisName</a>   <a href="#">Literal</a>   <a href="#">Number</a>   <a href="#">VariableReference</a>
Literal	::= "" [^"]* ""   "" [^"]* ""
Number	::= <a href="#">Digits</a> ('.' <a href="#">Digits</a> )?
Digits	::= [0-9]+
Operator	::= <a href="#">OperatorName</a>   <a href="#">MultiplyOperator</a>   '/'   '%'   '//'   '///'   ' '   '+'   '-'   '='   '!='   '<'   '<='   '>'   '>='
OperatorName	::= 'and'   'or'   'mod'   'div'
MultiplyOperator	::= '*'
FunctionName	::= <a href="#">QName</a> - <a href="#">NodeType</a>
VariableReference	::= '\$' <a href="#">QName</a>
NameTest	::= '*'   <a href="#">NCName</a> ':' '*'   <a href="#">QName</a>
NodeType	::= 'comment'   'text'   'processing-instruction'   'node'
ExprWhitespace	::= <a href="#">S</a>

