


EXPR_UNINIT_PTR

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Overview

This error is generated whenever an expression operates on an uninitialized pointer.

Code	Description	Enabled	Reported	Platform
EXPR_UNINIT_PTR	Expression uses uninitialized pointer		Runtime	Windows/Unix

Problem

In the following code uses an uninitialized pointer.

```
/*
 * File: expuptr.c
 */
main()
{
    char *a, b[10], c[10];
    if (a > b)
    a = b;
    return (0);
}
```

Diagnosis at Runtime

```
[expuptr.c:8] **EXPR_UNINIT_PTR**
>> if (a > b)
Expression uses uninitialized pointer: a > b
Stack trace where the error occurred:
    main() expuptr.c, 8
```

- Line 1: Source line at which the problem was detected.
- Line 3: Description of the problem and the expression that is in error.
- Line 4: Stack trace showing the function call sequence leading to the error.

Repair

This error is normally caused by omitting an assignment statement for the uninitialized variable. The example code can be corrected as follows:

```
/*
 * File: expuptr.c (modified)
 */
main()
{
    char *a, b[10], c[10];
    a = c;
    if (a > b)
    a = b;
    return (0);
}
```

