Subject: CParser: Suggest check for overflow in ReadInt, ReadDouble...
Posted by hans on Thu, 17 Oct 2013 19:35:20 GMT
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Hi,
I would suggest checking the number string for range in the following functions:

```
int    ReadInt() throw(Error);
int    ReadInt(int min, int max) throw(Error);
int64  ReadInt64() throw(Error);
int64  ReadInt64(int64 min, int64 max) throw(Error);
uint32 ReadNumber(int base = 10) throw(Error);
uint64 ReadNumber64(int base = 10) throw(Error);
double ReadDouble() throw(Error);
```

If the number string would overflow the number range silently a garbage number is returned.

Would be nice if range error is thrown instead.

In ReadInt() and ReadInt64() also should be checked if the unsigned number read internal is lower than half of signed before sign can be applied.

Do others agree?

Hans