Subject: Invalid Value conversions now throws (instead of undefined behaviour)
Posted by mirek on Sat, 12 Apr 2014 17:41:21 GMT

So far, trying to convert Value to incompatible type failed ASSERT in debug and was undefined in release.

This was fine for a long time, but e.g. with JSON parsed into Value, it is sort of more problematic, as then in theory all Values should have been tested for the right type before assigning them (as you cannot never trust external .json data to provide correct types).

That is why from now, invalid conversion results in exception ValueTypeError and we can now safely write:

```
try {
   Value v = ParseJSON(...);
   String h = v["foo"];
}
catch(ValueTypeError) {
   // JSON is invalid
}
```

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