Subject: CoWork exceptions and IsCanceled
Posted by mirek on Sun, 01 Oct 2017 11:52:40 GMT
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CoWork now can handle worker thread exceptions:

```
#include <Core/Core.h>

using namespace Upp;

CONSOLE_APP_MAIN
{
 StdLogSetup(LOG_COUT|LOG_FILE);

 try {
  CoWork co;
  co & [] { throw "Worker exception"; };
 }
 catch(const char *s) {
  LOG("Caught: " << s);
 }
}
```

Cancelation of CoWork is now propagated to worker threads via "IsCanceled" static method:

```
#include <Core/Core.h>

using namespace Upp;

CONSOLE_APP_MAIN
{
 StdLogSetup(LOG_COUT|LOG_FILE);

 CoWork co;
 for(int i = 0; i < 50; i++)
  co & [] {
   for(;;) {
    if(CoWork::IsCanceled()) {
     LOG("CoWork is canceled");
     return;
    }
    Sleep(1);
   }
  };
 Sleep(100);
```

```
 co.Cancel();
}
```