

Access Control Lists

Petr Ročkai

Lab Exercise

- write a C or C++ program to set ACLs on Windows
- create a test directory (using the program)
 - **allow** read access for **everyone**
 - make it so that such read access is inherited by new files
 - check it works in the file properties dialog
- create 2 new files in the directory
 - check that they **inherited** the right ACE
 - deny access to the file content to yourself
 - **add** one ACE to first file (keeping the others)
 - **replace** the entire ACL on the second file with one ACE

Resources

- refer to [MSDN](#)
- some of the functions you may want to use
 - `GetNamedSecurityInfo`
 - `SetNamedSecurityInfo`
 - `SetEntriesInAcl`
- other useful articles
 - [Modifying the ACLs of an Object in C++](#)
 - [Access Control Lists](#)

Assignment 6

- write a C or C++ program that **modifies ACLs** on UNIX
 - get a **directory name** (path) from the command line
 - get a **pattern** (glob) from the command line
 - find **all files** in that directory that match the pattern (1pt)
 - do this **recursively** (that is, also in subdirectories) (1pt)
- set a **2-element ACL** on each of those files (2pt)
 - this can be hardcoded in your program
- **document** your code, explain the ACL you chose (1pt)
- the **deadline** is **Nov 26th**, midnight