

CS795: Secure Distributed Systems With .Net
Summer 2009
Homework #3
Due: June 9, 2009

This programming assignment deals with code access security. The specifications are not as detailed as in prior homework. Instead, what is specified is what your homework should demonstrate.

- (1) Create one assembly (A1) that accesses a web page www.google.com
- (2) Create a strong name for A1.
- (3) Create an application domain (with default permissions)
- (4) Load A1 into the application domain with default privileges.
- (5) Load another instance of A1 (under different name?). Say we call it A2 with no privileges to access internet or intranet.
- (6) Display the different components of the strong name of A1 and A2.
- (7) Before accessing the webpage, in your code, demand the permissions for internet and intranet access. If exception, print an error.
- (8) Demonstrative how you can use declarative and imperative security statements in your code.
- (9) Sign your assembly with your own certificate, and display the certificate and signature.

Each student may have his/her own variation of the program. That is quite acceptable and anticipated.