

**CSE 550 – Computer Network Design  
Spring 2007 (Term 062)**

**Assignment 2**

Date: Monday, February 26<sup>th</sup>, 2007

**Network Design Tool Presentation**

**Due date: Monday, March 5<sup>th</sup>, 2007, 5:00 pm (in class)**

**Notes:**

- Late submissions are not acceptable.
- This assignment is based on hands-on experience with at least one publicly available network design tool.
- A list of references is given at the end of this assignment to choose from.
- Students should work in teams of two for each tool, which is to be selected after consultation with the instructor. You should send your choice to the instructor ASAP but no later than **Wednesday, February 28<sup>th</sup>, 2007**. (The instructor will assign the tools on First Come First Served basis).
- This assignment has two parts: (1) downloading, installation, and experimentation with selected tools; and (2) presentation of the tool to the rest of the class.
- Each student will be graded individually and is expected to understand all related aspects of installation and use of assigned tool.
- Overview of the tool and its features/characteristics/areas should be presented by one student while the other presents the use of the tool with examples.

**Question # 1: Network Design Tool**

Download the assigned tool from the web and install it on an appropriate platform where that tool works (Windows/Linux/Solaris, etc.) on your PC. You can also use an evaluation copy with limited usage time (e.g., 30 days). Some tools are available only in executable binary forms (especially those that run under Windows) while others are available with source code. You should build the tool from source code following developer's instructions on your platform (typically Linux). Each tool comes with some documentation about its use and a few examples. Execute at least two such examples and comment on the results provided by the tool.

**Question # 2: Presentation**

Present an overview of the tool to the class. This overview should minimally include an introduction to the input used by the tool and types of application for which it is suitable. Second part of the presentation should walk through some examples of the use of the tool. Each team has 8 minutes for the presentation (**4 minutes** per student). You should send your prepared slides to the instructor by **3:00PM on March 5<sup>th</sup>, 2007** (at the latest).

**References:**

1. Arnold W. Bragg, "Which Network Design Tool is Right for You?" in the Sept./Oct. 2000 issue of IEEE IT Professional.  
<http://ieeexplore.ieee.org/iel5/6294/18995/00877494.pdf?arnumber=877494>
2. The CAIDA Tools site contains CAIDA tools and software as well as a taxonomy of available research and visualization tools. <http://www.caida.org/tools/>.

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**Speaker Evaluation Form**

**Presenter Name:** \_\_\_\_\_

**Presentation Title:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Evaluator Name:** \_\_\_\_\_

**Evaluation:**

<b>1. Technical content (Overview of the tool, its features, and examples of its use)</b>	<b>/50</b>
<b>2. Speaker's ability to explain and answer questions (Understanding)</b>	<b>/25</b>
<b>3. Quality of slides and organization of presentation (Clarity, Format, etc)</b>	<b>/20</b>
<b>4. Duration of presentation within 4 minutes</b>	<b>/5</b>
<b>Total</b>	<b>/100</b>

**General comments: (Use the space below to summarize your comments on this work)**