Lab 10 Team Buildout Implementation I

The objective of the lab is to begin the transition from student network administrators largely following lab scripts, to working and autonomous network administrators. The persons with whom you have conducted all of the previous labs will continue to be responsible for ensuring that the persons within that team's Organizational Unit (OU) remain able to get work done using the user accounts and computers within that OU. In this regard, you and your former lab teammates will represent end-users on this system, and these persons will place demands and expectations upon the Buildout Teams that will be performing other administrative functions across an entire enterprise that happens to contain your former team's OU, users, and computers. One demand and expectation might be, quite reasonably, that no Buildout Team perform any action that renders you and your fellow users unable to perform the work that they need to get done, e.g. corrupting the Active Directory beyond use, recognition, and recovery.

In the previous lab, you conducted a cursory survey of the general structure and composition of the lab network, including Active Directory structure and hierarchy, counts of computers, servers, and users, and any Group Policies that happen to be in effect.

There will almost certainly be things that you will want and need to know about this network that you do not, and it is your duty to come to know these things, and to begin to plan, design, and implement processes and systems by which you will carry out the administrative mission that you will accept in the following Actions.

This mission is to assume a portion of the myriad processes and functions required to effectively, efficiently, and securely administer a real-world computer network: some of these processes were discussed in the previous Buildout Project Kickoff Meeting. You will form a team to carry out this mission, and that team will conduct research, read technical materials and acquire skills, collaborate and coordinate with other teams, write procedures and/or install and configure systems, and do whatever else is necessary to carry out your team's mission.

As subsystem and process administrators, you will also be held accountable to the end-users in the class.

This is a team assignment, but you must submit it as individuals, with all submitted work being your own.

Actions

Action 1: During the Buildout Team Projects Kickoff Meeting, a number of Buildout projects will have been proposed: there may be no more than eight (8) Team Buildout Projects, as they have to be presented to the class within a span of two class sessions toward the end of the semester.

A list of these proposals will be projected onto the classroom overhead.

Discuss among interested classmates which of these projects you, as an individual, would like to engage, and form a team to research and implement that project, and present to the class its results.

For Deliverable #1, write your name, the number of your team, the name of your project, the name of your partners, and the date.

Action 2: Your team will need a plan under which you intend to carry out this project. You will need to assign roles, you will need to coordinate the persons assuming their roles and their work products, you will need to conduct research on what your team intends to do and how, you will need to marshal and coordinate resources, you will need to coordinate with other teams and the end-users', and you will need to organize all of the above into a work product that can be demonstrated, presented, and explained to both the class and to the instructor.

For Deliverable #2, list the members of your team, and the roles you intend for them to assume in the above processes and to address the above requirements.

Action 3: You will need informational resources to assist you in your project. These include websites, technical blogs, textbooks and manuals, and online tutorials. While the instructor will provide some assistance in locating some resources, it us up to you and your team to locate and secure these resources.

For Deliverable #3, list a few resources that your team is considering to begin their search.

Action 4: Any project of significant size requires management.

Professional project managers typically recognize as authoritative the *Project Management Body of Knowledge* or PMBOK, published by the Project Management Institute. http://www.pmi.org/

The PMBOK defines five process groups for project management: initiating, planning, executing, monitoring and controlling, and closing. While time constraints will almost certainly preclude realizing in full all of these process groups for this class project, you should still be mindful of them.

There are also ten knowledge areas in the PMBOK: project integration management, project scope management, project time management, project cost management, project quality management, project human resource management, project communications management, project risk management, project procurement management, and project stakeholder management.

A full project management plan would require a course and a semester in itself: for this project and at this time, begin first to develop a minimal project communication plan. You will need to need to communicate with fellow teammates, with teams on which the success of your own project may depend, with stakeholder groups that might be affected by your team's actions (e.g. end-users), and with the instructor.

For Deliverable #4, outline a very basic communication plan for addressing how your team intends to communicate among itself, with the other teams, with the stakeholders, and with the instructor.

Deliverables

Deliverable 1: From Action 1, write your name, the number of your team, the name of your project, the name of your partners, and the date.

Deliverable 2: From Action 2, list the members of your team, and the roles you intend for them to assume in the above processes and to address the above requirements.

Deliverable 3: From Action 3, list a few resources that your team is considering to begin their search.

Deliverable 4: From Action 4, outline a very basic communication plan for addressing how your team intends to communicate among itself, with the other teams, with the stakeholders, and with the instructor.