RED AI
Restaurant Efficiency Decision Artificial Intelligence

Resources

Version 1.0

CS410 Red Team
Resources

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Resources: AI Cluster

Hardware description:
Pentium III 1.0 GHz systems - 512 MB PC133 - T-10/100 Integrated LAN

Expense:
$400 each

Tasks:
Buy for use as customer test bed and to increase the speed of producing updates.

Duration:
Start = Tuesday 4/1/08
End = on going.
Resources: Terminals for Cluster

**Hardware Description:**
Pentium 4 2.0 GHz - 1 GB PC3200 DDR Memory - T-10/100 Integrated LAN

**Expense:**
$800 each

**Tasks:**
Buy for use as development systems and customer test bed (each will have different operating systems) to ensure compatibility and customization to clients with particular needs.

**Duration:**
Start = Friday 4/11/08
End = on going.
Resources: Network Firewall

Description:
“Front door” firewall Cisco PIX 506E

Cost:
$1,200 each

Tasks:
Used to protect our intranet infrastructure against unwanted external packets through filtering via scanning and firmware updating. Protected networked hardware includes: cluster, license, and key server.

Duration:
Start = Monday 3/17/08
End = on going.
Resources: Data Servers

Description:
Full Tower ATX - Intel Core 2 Duo 2.13 GHz 1066 4M Processor - 2 GB PC4200 DDR2 533Mhz EEC Memory (1024 MB x 2) - SATA 300 Hard Drive (160GB x 3) - 3 SATA Drive fans - 20x DVD-/+R/RW Dual Layer Drive - Integrated Gigabit LAN - 104 Standard Keyboard PS/2 - Optical Mouse PS/2 - 17” LCD Monitor (VGA) - 1000 VA LCD UPS - 500 Watt Redundant Power Supply

Cost:
$4,000 each

Tasks:
Buy for license check and update server use

Duration:
Start = Fri 6/15/08
End = on going.
Resources: Web Server

Description:
Full Tower ATX - Intel Core 2 Duo 2.13 GHz 1066 4M Processor - 2 GB PC4200 DDR2 533Mhz EEC Memory (1024 MB x 2) - SATA 300 Hard Drive (160GB x 3) - 3 SATA Drive fans - 20x DVD-/+R/RW Dual Layer Drive - Integrated Gigabit LAN - 104 Standard Keyboard PS/2 - Optical Mouse PS/2 - 17” LCD Monitor (VGA) - 1000 VA LCD UPS - 500 Watt Redundant Power Supply

Cost:
$2,500

Tasks:
Hosting an external web service so that website requests do not interfere with internal services. Also separation from data server that contains the backup and updates for the website in the event of an attack and site restoration required.

Duration:
Start = Fri 2/1/08
End = on going.
Resources: Internal Router

**Description:**
8 ports LAN, 2 ports WAN security router with layer 3 policy capabilities.

**Cost:**
$800

**Tasks:**
Essential for transporting packets to proper destinations between the internet, server farm, terminals and AI cluster.

**Duration:**
Start = Wed 4/16/08
Ending = on going.
Resources: Software Licenses

Description:
Windows 98 – Windows Vista

Cost:
$90-300 each

Tasks:
Buy for installation into customer test bed.

Duration:
Start = Wed 4/16/08
End = on going.