OFFICE OF THE PURCHASING AGENT
COUNTY OF COOK

118 NORTH CLARK ST. ROOM 1018
CHICAGO, ILLINOIS 60602-1375
(312) 603-5370

THIS PURCHASE ORDER NUMBER MUST APPEAR ON ALL PACKAGES, INVOICES, SHIPPING PAPERS AND DROP SHIPMENTS.

PURCHASE ORDERED ISSUED TO

771004

Citrix System Inc
851 W Cypress Creek Rd
Ft Lauderdale FL 33309

DATE
2/10/2012
F.O.B. POINT

PURCHASE ORDER NO.
180060 - 000- OP
REQUISITION NO.
00101467 OR

COOK COUNTY FEIN: 36-6006541
ILLINOIS SALES TAX EXEMPT: E-9998-2013-04
FEDERAL EXCISE TAX EXEMPT CERT: 36-75-D038K

SHIP TO Office Technology Geographical Information System
69 W Washington St Ste 2700
Chicago IL 60602-1375

DELIVERY INSTRUCTIONS
Mary Jo Horace 312-603-1369

DEPT NO	
5450101	Page 1 of 1

LINE	FURNISH THE FOLLOWING SUPPLIES AND/OR SERVICE	QUANTITY/ UOM	UNIT PRICE	EXTENDED PRICE	ACCOUNT NUMBER
1.00	EDUCATIONAL SERVICES 5 Day Training Course scheduled for February 13, 2012 (Arlington Heights) CNS-203-3 Basic Administration for Citrix Netscaler 9.2 (George Ipe)	1.00 EA	5,000.0000	5,000.00	5450101.501865
	*******	Total Order	*******	5,000.00	

NOTE: VENDOR AGREES NOT TO EXCEED THE QUANTITY OR DOLLAR AMOUNT OF THIS ORDER WITHOUT WRITTEN AUTHORIZATION FROM THE PURCHASING AGENT

RECEIPT CERTIFICATION (FOR DEPARTMENT USE ONLY)
I hereby certify that I have received the goods/services reflected above and that the items referenced are in full conformity with the purchase order/contract.

Authorized Signature: _____ **Date:** _____

I hereby certify that this purchase is in agreement with the requisition on file authorizing the expenditure and is properly approved.
PURCHASING AGENT **Date:**
Maria de Lourdes Cors
2/14/12 BK

90 BR Nav

Report: R56REQ2

Purchase Requisition

Office of the Purchasing Agent

Cook County of Illinois

Purchase Order Number: 180060

Requisition # OR 101467 Contract # 12-90-064

Open Date

Buyer Number 299999 TEAM LEAD MAILBOX
Bid/Sole Src Code SSP
Business Unit 5450101
Internal Req Number 25450011
Board Apr Date & Item
Requisition Date 1/23/2012
Date Needed 1/23/2012

Ship To: 8001053 Office Technology Geographical Information System
69 W Washington St Ste 27
Chicago IL 60602-1375

Delivery Instructions:
Mary Jo Horace
312-603-1369

Supplier: 771004 Citrix System Inc
851 W Cypress Creek Rd
Ft Lauderdale FL 33309

One Time Purchase ____ Yes ____ No Covers Need for ____months. Specific Period of time _____ thru _____ Prior Contract No. _____ Expiration Date _____ Emergency No. _____

Line #	Commodity	Description	Bal. on Hand	Quantity	UOM	Est. Unit Cost	Extended Cost	Business Unit and Object Account
1.000	924	EDUCATIONAL SERVICES 5 Day Training Course scheduled for February 13, 2012 (Arlington Heights) CNS-203-3 Basic Administration for Citrix Netscaler 9.2 (George Ipe)	< >	1.00	EA	5,000.0000	5,000.00	5450101.501865

Total of Items Ordered 5,000.00

CERTIFICATION

I hereby certify that the items and/or services above are necessary to this department (or institution) and that the dept. no., account & activity numbers indicated above accurately reflect the specific line item budget appropriation approved by the Board of County Commissioners and there is a sufficient unencumbered balance in the account to grant same.

J. Basher
REQUISITIONER

BUREAU or DEPARTMENT HEAD

CCA

APPROVED BUDGETARY ACCOUNT

ACCT # _____

DATE _____ BY _____

PURCHASING USE ONLY

Cook County
Office of the Purchasing Agent

Sole Source Justification

General Information	Date: 01/23/2012
Unit/Department: GIS/Bureau of Technology	Phone No: 312 603 1399
Contact Name: Alan Hobscheid	Email: alan.hobscheid@cookcountyil.gov

Vendor Information	Requisition No. **101467**
Name: **Citrix Systems, Inc.**	Purchase Order No.
Address: 851 W Cypress Creek Road, Ft. Lauderdale, FL 33309	Contract No.

Description. Please provide a description of the goods or services required, the duration or frequency of the requirement, and where will the services or goods be delivered.

Citrix Netscaler Support is needed urgently for South Suburban Mayors GIS Project. To publish all websit using HTTPS and SSL encryption for more security. The time is essential and being held in Illinois.

Type. Please select one of the options and explain below.

☐ Single Source ☐ Proprietary/Copyright Restrictions ☐ Equipment Compatibility
☐ Patented Product X Exclusive or Unique Capability ☐ Other, please explain

Explanation. Why is this product or service the only one that would satisfy the requirement(s)?

Citrix provides the only support for Netscaler load balancing range of products.

Due Diligence. Describe the due diligence performed that led to the conclusion that this is a sole source.

Possibly a vendor could provide similar services but at this particular time and place those options are significantly inadequate.

Department Recommendation	
Requestor:	Date:
Department Head:	Date:

Purchasing Agent Approval	
Signature:	Date: 2/14/12

6/21/11

CITRIX AUTHORIZED

COURSE DESCRIPTION

CNS-203-3 Basic Administration for Citrix® NetScaler™ 9.2

Basic Administration for Citrix NetScaler 9.2 covers the initial configuration and administration of Citrix NetScaler 9.2. Learners gain an understanding of NetScaler features such as load balancing, SSL offload, classic and advanced expressions, rate limiting and AppExpert templates. Through an interactive course, simulations, hands-on labs and exercises, learners are guided through administrator tasks preparing them to manage Citrix NetScaler 9.2 deployments.

This course also provides information on the NetScaler 9.3 features.

Audience

This course is intended for system administrators or network operations personnel who configure and administer Citrix NetScaler products.

Preparatory Recommendations

Before taking this course, Citrix recommends that learners have the following knowledge:

- Intermediate knowledge of TCP/IP and HTTP protocols and an understanding of the OSI model
- Experience with network devices, networking protocols and aspects of application and site
- architecture
- Moderate exposure to UNIX or Linux
- Exposure to basic systems administration concepts, including logging, software upgrade procedures and high availability operations
- Familiarity with web server software
- Knowledge of network security threats and site protection concepts

Key Skills

Upon completion of this course, learners are able to:

- Identify NetScaler hardware components and deployment scenarios.
- Deploy a NetScaler system as a network gateway device.
- Create a high-availability pair and perform synchronization and forced failover.
- Secure NetScaler communications through access control lists, authentication, authorization, and auditing.
- Create and configure system entities, service monitors, and load-balancing virtual servers.
- Optimize traffic and maintain the security of private data with the SSL offload feature.
- Describe Global Server Load Balancing architecture and concepts.
- Use classic policy expressions for content filtering and compression.
- Configure policies and actions to transform header and other elements of web traffic.
- Describe content switching and the configuration process.
- Use application templates to optimize web traffic from specific applications.
- Monitor the NetScaler system with the Dashboard, Monitoring tool, and NetScaler logs.
- Describe the NetScaler 9.3 features.

Instructional Method

This course is offered as an instructor-led or self-paced online training course and can include virtual labs, simulations, or classroom discussion, as well as demonstrations and the practical application of concepts through hands-on exercises.

Course Length

25 hours or 5 days

Certification Preparation

The CNS-203-3 course prepares learners for the 1Y0-A21 Basic Administration for Citrix NetScaler 9.2 exam, a requirement for the NetScaler 9.2 Citrix Certified Administrator (CCA) certification.

Registration

For more information and to register for this course, please go to www.citrix.com/nstraining.

Topic Outline

Provided is the topic outline for CNS-203-3:

- Introducing and deploying Citrix NetScaler
  - Introduction to the NetScaler system
  - Planning a NetScaler deployment
  - Deployment scenarios
  - NetScaler platform and product editions
  - Product features
  - Hardware platforms and components
  - NetScaler architecture overview
  - Initial NetScaler access
- Networking
  - NetScaler-owned IP addresses
  - NetScaler modes
  - Network address translation
  - Virtual local area networks
  - Link Aggregation
  - Internet Control Message Protocol
  - Path MTU discovery
  - Dynamic routing support and route health injection
- Configuring high availability
  - Introduction to high availability
  - High availability node configuration
  - Propagation and synchronization
  - High availability management
- Securing the NetScaler system
  - NetScaler system communication
  - Access control lists
- Configuring load balancing
  - Load-balancing process
  - Entity management
  - Load-balancing traffic types
  - Service monitoring
  - Load-balancing topology, methods, and additional options
  - Advanced load balancing methods
  - Link load balancing
  - Custom load
  - Load monitor process
  - Service and virtual server management
  - Load Balancing Visualizer
- Configuring SSL offload
  - SSL and digital certificates
  - SSL concepts
  - SSL offload overview
  - Offload performance
  - SSL administration and deployment decisions
  - Deployment scenarios
  - Configuring SSL offload
  - Creating an SSL virtual server
  - Advanced SSL settings

- Configuring Global Server Load Balancing
  - GSLB concepts
  - Metric exchange protocol
  - GSLB DNS methods
  - GSLB persistence
  - Configuring DNS virtual servers
  - GSLB configuration
  - Implementing traditional GSLB, proximity-based GSLB, and GSLB failover for disaster recovery
  - GSLB entity relationship
  - GSLB site communication example
- Using AppExpert Classic to optimize traffic
  - Policy overview and basics
  - Hypertext Transfer Protocol
  - Expression structures
  - Content filtering
  - Introduction to compression
- Using AppExpert for responder, rewrite, and URL transform
  - Understanding the packet processing flow
  - Actions
  - Understanding bind points
  - Using pattern sets
  - Typecasting
  - Rewrite, responder, and URL transformation overview
  - Identifying packet processing flow
  - Basic configurations: policies and actions
  - Configuring rewrite actions
  - Rewrite policies
  - Responder actions and policies
  - Configuring URL transformation
- Using AppExpert for content switching
  - Introduction to content switching
  - Configuring content-switching virtual servers
  - Rule-based policy example
- Using AppExpert Advanced to optimize traffic
  - Compression with advanced policy expressions
  - Integrated caching
  - Cache policies and cache expressions
  - Graceful cache configuration changes
  - Cache content groups and aging
  - Content group settings
  - FlashCache
  - Global cache attributes
  - Caching management
  - AppExpert templates
  - Policy-based routing
- Management
  - Simple Network Management Protocol
  - SNMPv3
  - Dashboard
  - Reporting and monitoring tools
  - Auditing and logging
  - Configuring an auditing server
  - Global auditing parameters
  - Configuring auditing policies
  - NetScaler log management
  - Replacing a high availability node
  - Upgrading as a standalone NetScaler system
  - Upgrading a high availability pair

- Password recovery
- Network traffic capture using NSTCPDUMP
- TCPDUMP options and filter expressions
- Network traffic capture using NSTRACE.SH
- NSTRACE options and filter expressions

The CNS-203-2W course has an additional NetScaler 9.3 Features module with the following topics:

- Citrix NetScaler 9.3 Features
  - New NetScaler 9.3 Features
  - AppFlow
  - Branch Repeater load balancing
  - Remote Desktop Protocol load balancing
  - Database load balancing
  - OpenCloud Bridge
  - Citrix Application Firewall enhancements
  - DNS Security Extensions

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Your Citrix Education Quote Request

Questions?

Contact us at:
1800-4-CITRIX ext: 22370
www.citrixtraining.com

George Ipe:

Below are the details of your quote request.

Customer Information:
Name: George Ipe
Company: Cook County, IL
Address: 69 W. Washington
Suite 2700
Chicago, Illinois 60602
(U.S.A.)
Phone: 312-603-1386
Email: george.ipe@cookcountyil.gov

Billing Information:
Name: George Ipe
Company: Cook County, IL
Address: 69 W. Washington
Suite 2700
Chicago, Illinois 60602
(U.S.A.)
Phone: 312-603-1386

Quote Information: (all prices are in US Dollar)

Product	Price	Quantity	Total
CNS-203-3 Training format: Classroom	5000.00	1	5000.00
		Subtotal	5000.00
		- Discount	0.00
		= Grandtotal	5000.00
		% Paid	0.00
		= Balance	5000.00

Expiration Date: 02/20/2012

Vendor Information for PO procurement:
Citrix Systems, Inc.
851 West Cypress Creek Rd.
Fort Lauderdale, FL 33309
DUNS Number: 60-459-6346
Federal Tax ID: 75-2275152
Large Business
A Delaware Corporation
Net terms 30 days

Proceed with Quote:

Use the temporary access instructions below to complete your order.

Click here to login: https://citrixtraining.com/login.cfm
Username: george.ipe@cookcountyil.gov8942
Password: n5up5i

Click on "My Orders" in top right of site to continue.

Tangela Malloy (Purchasing)

From: Felicia Barker (Geographic Information Systems)
Sent: Friday, February 10, 2012 10:31 AM
To: Tangela Malloy (Purchasing)
Subject: Your Citrix Education Quote
Attachments: CNS-203-3 Basic Administration for Citrix Netscaler 9.2.pdf

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From: Eleanor Winship [mailto:eleanor.winship@citrix.com]
Sent: Friday, January 20, 2012 1:35 PM
To: Felicia Barker (Geographic Information Systems)
Cc: George Ipe (Geographic Information Systems)
Subject: FW: Your Citrix Education Quote

Hi Felicia,

Below you will find a copy of the requested quote for NetScaler training. Attached you will also find a full course description for this training.

I have reached out to MTM regarding the class status for February 13th. I will reach out to you by phone once I receive word from them.

If you have any additional questions, please let me know.

Regards,

Eleanor M. Winship
Education Account Manager
Citrix Systems, Inc | 851 W Cypress Creek Road | Ft. Lauderdale, FL 33309

T: (954) 229-6745
M: (508) 292-5569
F: (954) 229-6695
eleanor.winship@citrix.com | www.citrix.com

CITRIX

From: Citrix Education [mailto:noreply@citrixtraining.com]
Sent: Friday, January 20, 2012 2:31 PM
To: george.ipe@cookcountyil.gov
Cc: Eleanor Winship
Subject: Your Citrix Education Quote

SERVICES PROGRAMS PRESS PUBLICATIONS DEPARTMENTS CONTACT

CORPORATION FILE DETAIL REPORT

Entity Name	CITRIX SYSTEMS, INC.	File Number	62283947
Status	ACTIVE		
Entity Type	CORPORATION	Type of Corp	FOREIGN BCA
Qualification Date (Foreign)	06/19/2002	State	DELAWARE
Agent Name	ILLINOIS CORPORATION SERVICE C	Agent Change Date	10/19/2009
Agent Street Address	801 ADLAI STEVENSON DRIVE	President Name & Address	MARK TEMPLETON 851 W CYPRESS CREEK RD FT LAUDERDALE FL 33309
Agent City	SPRINGFIELD	Secretary Name & Address	TONY G GOMES 851 W CYPRESS CREEK RD FT LAUDERDALE FL 33309
Agent Zip	62703	Duration Date	PERPETUAL
Annual Report Filing Date	08/22/2011	For Year	2011

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Pat Quinn, Governor

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