



THE MONTGOMERY COUNTY PERSONNEL DEPARTMENT ANNOUNCES AN OPEN
COMPETITIVE EXAMINATION FOR:

PRINCIPAL NETWORK SYSTEMS ADMINISTRATOR

OC #87345-010

Examination Date: December 7, 2024

Last Filing Date: October 25, 2024

Salary: \$82,525

Application Fee: \$15.00

(Fee or Waiver must accompany application - see notes below)

The Montgomery County Personnel Department announces an open competitive examination for Principal Network Systems Administrator. The eligible list resulting from this examination will be used to fill vacancies as they may occur within four years of the establishment of the eligible list unless the Montgomery County Personnel Officer deems another examination necessary. All candidates who meet the open competitive qualifications and wish to participate in this examination are encouraged to file an application.

LOCATION OF POSITIONS: This title exists in the Montgomery County Sheriff's Department

RESIDENCY REQUIREMENT: Candidates must be a legal resident of Montgomery County or a Contiguous County. **Please provide a copy of your driver's license (front and back) with your application to verify residency.**

MINIMUM QUALIFICATIONS:

- A. Graduation from a regionally accredited or New York State registered college or university with a Master degree in Computer Science and six years full-time or the equivalent part-time and/or volunteer experience in computer system administration; or
- B. Graduation from a regionally accredited or New York State registered college or university with a Bachelor's Degree in Computer Science and eight years full-time or the equivalent part-time and/or volunteer experience in computer system administration; or

- C. Graduation from a regionally accredited or New York State registered college or university with an Associate Degree in Computer Science and ten years of full-time or the equivalent part-time and/or volunteer experience in computer system administration; OR
- D. Graduation from high school or possession of a high school equivalency diploma and twelve years of full-time or the equivalent part-time and/or volunteer experience in computer system administration.

DESIRABLE QUALIFICATIONS:

Demonstrated experience utilizing complex large-scale network infrastructure devices which include routers, switches, firewalls, wireless controllers/access points.

Demonstrated experience utilizing network management systems which include Cisco, Aruba, Route Explorer.

Demonstrated experience utilizing IP telephony systems such as NEC or Avaya.

Demonstrated experience utilizing network security systems such as IDS/IPS, VPN/SSL VPN, and WiFi.

Demonstrated experience utilizing Windows servers, Linux servers, Microsoft Exchange, Microsoft 365 portal.

Demonstrated experience creating VLANs.

[PLEASE INDICATE ALL RELEVANT TRAINING AND EXPERIENCE ON YOUR APPLICATION].

CANDIDATES PLEASE NOTE: It is vital that you submit, with your application, all information, including driver's license (front and back), college transcripts, degrees, or diplomas, necessary to show your qualification for examination. APPLICATIONS WHICH DO NOT SHOW TRAINING AND/OR EXPERIENCE TO MEET MINIMUM QUALIFICATIONS WILL BE DISAPPROVED, AND WE WILL NOT REFER TO OTHER APPLICATIONS ON FILE FOR ADDITIONAL INFORMATION.

DISTINGUISHING FEATURES OF THE CLASS:

This is the principal level position in the Network Systems Administrator series. The incumbent serves as a technical expert for complex networks and associated software and hardware in high-availability environments and are assigned lead roles in the following areas: network design, disaster recovery planning, capacity planning, network security, complex server and network configuration, network administration and monitoring, upgrades, troubleshooting and maintenance on network related projects, including services over Internet Protocol (IP), such as audio, video, telephone and data. The work is generally performed under the direction of a higher

level IT Administrator with considerable leeway for planning work methods and procedures with responsibility for technical results. Supervises subordinate staff. The incumbent will perform other related duties as required.

TYPICAL WORK ACTIVITIES (Illustrative Only):

- Performs network and server administration functions, including; designing, configuring, installing, repairing, maintaining, and upgrading hardware, and operating systems; as well as testing and optimizing complex network software and physical infrastructure.
- Designs and implements network security solutions, including system network access lists and host intrusion and prevention systems along with policy elements such as end user roles and groups, trust relationships, access rights, and directories.
- Analyzes network resource utilization, and solves the more complex system configuration and performance problems.
- Analyzes proposed procedures for network management, including resource allocation of centralized, decentralized and remote network services.
- Identifies and recommends appropriate changes to network infrastructure to improve performance, reliability and availability.
- Plans the deployment of hardware and software upgrades for network servers, gateways, and associated telecommunication devices.
- Analyzes and resolves the more complex network and operational problems.
- Leads the selection, development, and implementation process for network backup and recovery solutions.
- Leads the VLAN configuration process required to support the installation and maintenance of services over Internet Protocol (IP), such as audio, video, telephony and data.
- Coordinates and works with vendors to develop and implement solutions to specific problems or to meet specific objectives.
- Participates in the analysis, evaluation, and risk assessment tasks required for implementation of new applications, and system changes, such as vendor provided patches, service packs, network products, devices and network management solutions.
- Selects, designs, implements, and configures monitoring and alerting systems for networks, servers, and systems.
- Supervises the performance and productivity of lower level network or technical personnel.
- Serves as a project manager.
- Leads the effort to create Requests for Proposal, Requests for Quotation, and Requests for Information, and may write technical requirements for the

Statements of Work for services such as installation, configuration, data center upgrades, and security assessments.

- Enforces network security according to policies and procedures and documents information security processes.
- Leads the in-depth support for information security incidents including internal violations, hacker attacks, viruses, and system access violations.
- Installs, service, and moves servers, networking devices, and related equipment.

The above examples of duties are intended only as illustrations of the various types of work performed. The omission of specific statements of duties does not exclude them from the position if the work is similar, related or a logical assignment to the position.

APPLICATIONS: Please apply online through the Montgomery County Civil Service Portal at <https://montgomery-portal.mycivilservice.com/jobopps>.

Scopes / Subjects of examination: A test designed to evaluate knowledge, skills and /or abilities in the following areas.

Preparing written material

These questions test for the ability to present information clearly and accurately, and to organize paragraphs logically and comprehensibly. For some questions, you will be given information in two or three sentences followed by four restatements of the information. You must then choose the best version. For other questions, you will be given paragraphs with their sentences out of order. You must then choose, from four suggestions, the best order for the sentences.

Administrative techniques and practices

These questions test for a knowledge of management techniques and practices used in directing or assisting in directing a program component or an organizational segment. Questions cover such areas as interpreting policies, making decisions based on the context of the position in the organization, coordinating programs or projects, communicating with employees or the public, planning employee training, and researching and evaluating areas of concern.

Principles and practices of LAN administration

These questions test for knowledge of procedures and terminology applicable to administering a local area network (LAN). They cover such subjects as installing, configuring and upgrading a network; establishing user accounts and assigning access rights; monitoring network performance and troubleshooting; dividing networks and linking to other networks; creating and documenting procedures for users; and establishing and maintaining network security. The questions are not specific to any particular LAN.

Principles of networked communications

These questions test for basic concepts and terminology of data communications. They cover such subjects as data communications, types of networks, modems, security, protocols, topologies, transmission media, wiring, installation and troubleshooting. The questions are general in scope and are not specific to any vendor or system.

Supervision

These questions test for knowledge of the principles and practices employed in planning, organizing, and controlling the activities of a work unit toward predetermined objectives. The concepts covered, usually in a situational question format, include such topics as assigning and reviewing work; evaluating performance; maintaining work standards; motivating and developing subordinates; implementing procedural change; increasing efficiency; and dealing with problems of absenteeism, morale, and discipline.

Test guide:

The New York State Department of Civil Service has not prepared a test guide for this examination. However, candidates may find information in the publication 'General Guide to Written Tests' helpful in preparing for this test. This publication is available on line at: <https://www.cs.ny.gov/testing/testguides.cfm>.

CALCULATOR POLICY: ALLOWED

APPLICATION FEE: An application fee of \$15.00 is required for this examination. Either an application fee or a waiver (see waiver instructions below) must accompany your application. Montgomery County accepts cash, a check or money order payable to the Montgomery County Personnel Department please write the examination number(s) on your check or money order. As no refund will be made, you are urged to compare your qualifications carefully with the requirements for admission and file only for those examinations for which you are clearly qualified.

WAIVER OF EXAMINATION FEE FOR UNEMPLOYED OR PUBLIC ASSISTANCE RECIPIENTS: An exception to the fee requirement will be made only for unemployed heads of households and for persons receiving Supplemental Social Security payments or public assistance. To receive an examination fee waiver, the candidate must meet any one of the following criteria: 1. Individuals who are unemployed and primarily responsible for the support of a household; or 2. Individuals who are eligible for Medicaid, or receiving Supplemental Security Income (SSI) payments; or 3. Individuals who are receiving Public Assistance in the form of Temporary Assistance for Needy Families/Family Assistance or Safety Net Assistance, or are certified eligible for Job Training Partnership Act/Workforce Investment Act programs through a state or local social services agency. An Application Fee Waiver Request and Certification Form must be completed and submitted with the examination application. All claims for application fee waiver are subject to verification. If you can verify eligibility for an application fee waiver, please complete the "Application Fee Waiver" form and submit it with your application. This form can be obtained the Montgomery County Personnel/Civil Service website, or through contacting our office at (518) 853-8368.

PROPER COMPLETION OF APPLICATION: Applications must have the front and back completed. Resumes may be attached, but they do not take the place of the completed application. If a resume becomes removed from the application the qualification portion of the application process will be lost as well, therefore jeopardizing the candidates' chances of being approved for the examination. **ADMISSIONS NOTICE:** Approved applicants will receive an Admissions Notice from our office providing the date, location and time of the examination. This notice will be sent to you via the email that you provided on your exam application. If you have not received your admission notice or an emailed letter stating you do not qualify by the second week before the examination date, please contact the Personnel/Civil Service Office at (518) 853-8368 for information. Montgomery County will not be responsible for the notifications once they have been mailed/emailed. Therefore, it is your responsibility to contact this office if you have not received some form of notification as to your status in regard to taking the examination. No candidates shall be admitted to the examination without an admissions notice.

NYS Department of Civil Service in accordance with Section 23-2 of the Civil Service Law. **SPECIAL ARRANGEMENTS:** Special arrangements may be made if you require a religious accommodation, are a disabled person, or are unable to participate in the examination on the scheduled date due to active military service.

THIS APPLICATION IS PART OF YOUR EXAMINATION: Unless otherwise indicated on this announcement, the candidate shall complete one Application for Examination or Employment form for each examination he/she wishes to take. No copies will be accepted. Applicants must answer every question on the application form and make sure that the application is complete in all respects. Incomplete applications will be returned to the applicant for proper completion, or ultimately disapproved for failure to fully complete. All applications shall be filed with the Montgomery County Personnel Department, either by mail or in person: 20 Park Street / PO Box 1500, Fonda, NY 12068 to the attention of Ms. Nicole Yaggle, Personnel Officer. This office reserves the

right to reject for lateness, application filed after the advertised filing period. The Montgomery County Personnel Department does not make formal acknowledgment of the receipt of an application or take responsibility for non-delivery or postal delay.

PROMOTIONAL EXAMS: Promotion exams are subject to sections 52(1) and 52(9) of the Civil Service Law.

ANTICIPATED ELIGIBILITY: If you expect to complete the educational requirement(s) within 90 calendar days following the examination date, you can be admitted to this examination. If successful on the examination, you will not be certified for appointment until you have submitted acceptable proof of completion of the requirements to the Montgomery County Personnel Officer. It is your responsibility to provide this documentation.

CROSS FILING: If you have applied for any other Civil Service examinations for employment with New York State or any other local government jurisdiction, you must make arrangements to take all the examinations at one test site. If you have applied for both State and Local government examinations, you must make arrangements to take all your examinations at the State examination center by completing a cross-filer form with the local agency no later than two weeks before the test date. If you have applied for other local government examinations, call or write to each Civil Service Agency for which you have filed for examinations to make arrangements no later than two weeks before the date of the testing date.

CHILDREN OF FIREFIGHTERS AND POLICE OFFICERS KILLED IN THE LINE OF DUTY: In conformance with section 85-a of the Civil Service Law, children of firefighters and police officers killed in the line of duty shall be entitled to receive an additional ten points in a competitive examination for original appointment in the same municipality in which his or her parent has served. If you are qualified to participate in this examination and are a child of a firefighter or police officer killed in the line of duty in this municipality, please inform this office of this matter when you submit your application for examination. A candidate claiming such credit has a minimum of two months from the application deadline to provide the necessary documentation to verify additional credit eligibility. However, no credit may be added after the eligible list has been established.

VETERANS CREDITS: As no credit may be granted after the establishment of the eligible list, it is important that any applicants claiming additional veterans credits notify our office of your intention to apply for veteran's credits at the time of examination application, or at any time between the dates of the application but prior to the date of the establishment of the resulting eligible list. In order to be granted additional credit, a veteran must first obtain a minimum passing score on the examination. Disabled veterans are entitled to receive an additional 10 points on an open-competitive examination or an additional 5 points on a promotion examination. Non-disabled veterans are entitled to 5 points on an open-competitive examination and 2.5 points on a promotional examination. In order to be eligible for credits as a disabled veteran, the candidate must be certified by the Department of Veterans Affairs as having

a service connected disability rated at 10% or more, which was incurred during a time of war. Points are added to earned scores provided they have not been used to secure permanent appointment or promotion previously. Candidates are allowed the option of waiving these credits after completion of the examination if the resulting ranking is sufficiently high without them. Effective January 1, 1998, the State Constitution was amended to permit a candidate currently in the armed forces to apply for and be conditionally granted veteran's credit in examinations. Any candidate who applies for such credit must provide proof of military status to receive the conditional credit. It is the responsibility of the candidate to provide appropriate documentary proof indicating that the service was in time of war, as defined in Section 85 of Civil Service Law, and that the candidate received an honorable discharge or was released under honorable conditions in order to be certified at a score including veteran's credits. For more information on applying for or using veterans credits, or for a copy of the application to use veteran's credits, please contact our office at (518) 853-8368.

FILING OF EXAMINATION APPLICATIONS BY MILITARY PERSONNEL/MILITARY MEMBERS: Individuals serving on active duty in the armed forces during the filing period for a civil service examination, or individuals who have been discharged with other than a dishonorable discharge after the filing period for an examination has commenced, must be permitted to file for the examination no later than ten business days before the scheduled date of the examination or the last filing date, whichever is later. If qualified, the person must be provided an opportunity to compete in the examination under terms and conditions deemed appropriate by either the State or Municipal Commission. It may be necessary to schedule the examination for a candidate whose application is approved, on a different, later test date, due to a shortage of test materials or vacancies in a testing schedule. In order for a make-up exam to be administered, the eligible list resulting from the original examination holding would still have to be in existence. Persons eligible for military make-up do not have to wait until discharge from active duty to take the test. Completing the exam at the earliest possible opportunity is advisable. The applicant must make full disclosure in writing of ALL New York State and Municipal Civil Service examinations for which a military make-up exam is being or will be requested. The applicant must be able to sign the Alternate Test Date Affirmation. The applicant must submit to this office, a copy of a military order, DD214 or other official military document that substantiates the applicant's active military service at the time of the examination and any subsequent service. Candidates must request a make-up exam no later than 60 days after release from active duty.

EMERGENCIES: If an emergency prevents you from appearing for the examination, please notify this office no later than 9:00 AM on the Monday following the test date (Tuesday, if Monday is a holiday), providing verifiable documentation of the reason.

ELIGIBLE LISTS: Appointments from an eligible list must be made from the top three candidates willing to accept appointment. The duration of an eligible list may be fixed for a minimum period of one year up to a maximum period of 4 years.

ADDRESS CHANGE: Failure to notify this office of a change of address may result in disqualification for examination or certification for appointment following examination. No attempt will be made to locate candidates who have moved.

ALTERNATE TEST DATE POLICY: Because considerable planning, preparation and expense goes into each examination scheduled by the Personnel Officer, it is expected that candidates exert every effort to appear on the announced examination dates. On occasion, candidates may have to sacrifice personal commitments to pursue their career goals. On the other hand, the Personnel Officer must also be able to respond to legitimate needs when candidates find that significant personal events preclude their taking written examination when scheduled. The Personnel Officer has determined the following reasons may warrant granting an alternate test date: A death in the immediate family or household within the week preceding the examination; Military commitment; Being a member of a traditional, religious or civil ceremonial party, such as a wedding baptism, bar mitzvah or a member of the immediate family or household of the individual for whom the ceremony is being held; Having a conflicting professional or educational examination. Professional examinations would include those for CPA, ACSW, and the Bar Educational examinations would include SAT, College Boards and Graduate Records; Vacations for which non-refundable down payments were made before the examination announcement was issued; Required court appearances; Medical emergencies involving a hospital confinement or certification from a physician that the candidate is unable to appear for the examination due to a specific medical problem of the candidate or member of the immediate family or household; Emergency weather condition, verified by the local public safety agency, that lead to the closing of specific roads, highways or independent transportation services which prevent a candidate from reaching the test center. Other reasons may be considered on a case-by-case basis.

PROCEDURES FOR REQUESTING ALTERNATE TEST DATE: For situations known prior to when the examination is scheduled for administration, the candidate should notify the Montgomery County Personnel office in writing as soon as possible before the test date. The request should contain a complete explanation of the reason the candidate cannot take the examination as scheduled and be supported by appropriate documents, if available. For emergency situations, the candidate must notify this office no later than Monday (Tuesday if Monday is a holiday) following the Saturday scheduled test date.

LIMITATIONS IN APPLYING ALTERNATE TEST DATE POLICY: Written examinations will not be administered prior to the scheduled date. Alternate test dates generally will be granted no later than the Saturday following the scheduled examination. Taking two civil service tests on the same day is not a basis for an alternate test date for one, as long as both are provided by the New York State Department of Civil Service. Alternate test date candidates must affirm in writing that they have not discussed the examination content with any individual. If the affirmation proves untrue, disqualification will follow.

THE COUNTY OF MONTGOMERY DOES NOT DISCRIMINATE ON THE BASIS OF AGE, RACE, COLOR, RELIGION, GENDER, CREED, NATIONAL

**ORIGIN, PHYSICAL OR MENTAL DISABILITY, MARITAL STATUS,
VETERANS STATUS, DISABLED VETERANS STATUS, OR STATUS AS A
MEMBER OF ANY OTHER PROTECTED GROUP OR ACTIVITY IN ALL
ASPECTS OF EMPLOYMENT.**