

IBM/Tivoli

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The IBM/Tivoli certification programme includes a number of certifications covering a wide range of IBM and Tivoli solutions. The following information security related vendor certifications are currently offered by IBM/Tivoli and introduced on the following pages:

- IBM Certified Advanced Deployment Professional: Tivoli Security Management Solutions 2003
- IBM Certified Deployment Professional: Tivoli Privacy Manager for e-business
- IBM Certified Deployment Professional: Tivoli Risk Manager
- Tivoli Certified Consultant: IBM Tivoli Access Manager for e-business
- Tivoli Certified Consultant: IBM Tivoli Access Manager for Business Integration
- Tivoli Certified Solutions Expert: IBM SecureWay Firewall for Windows NT
- Tivoli Certified Solutions Expert: IBM SecureWay Firewall for AIX

IBM Certified Advanced Deployment Professional**Tivoli Security Management Solutions 2003**

To achieve the IBM Certified Advanced Deployment Professional: Tivoli Security Management Solutions 2003 candidates must pass five required examinations from the following list:

- a) CompTIA Security+ (Exam SY0-101) and one of the following two exams:
 - IBM Tivoli Access Manager for Business Integration Implementation (Exam 000-792)
 - IBM Tivoli Access Manager for e-business Implementation (Exam 000-795)
- b) And the following three examinations:
 - IBM Tivoli Privacy Manager for e-business Implementation (Exam 000-788)
 - IBM Tivoli Risk Manager Implementation (Exam 000-796)
 - IBM Tivoli Identity Manager Implementation (Exam 000-797)

For more information on exam objectives and training available for this certification please visit IBM at www.ibm.com.

IBM Certified Deployment Professional

- Tivoli Privacy Manager for e-business
- Tivoli Identity Manager
- Tivoli Risk Manager

The IBM Certified Deployment Professional track includes in particular the three certifications listed above. The exam objectives for these three certifications are as follows:

Tivoli Identity Manager

- Performing basic installation of the prerequisite databases (DB2, Oracle or SQL), application servers (WebSphere or WebLogic) and LDAP directory servers (IBM Directory Server or SunOne Server)
- System administration skills including working knowledge of account management
- IBM Tivoli Identity Manager architecture and components
- Basic understanding of JavaScript, XML, DSML
- Working knowledge of LDAP
- Basic security concepts (encryption, SSL, HTTPS)
- General knowledge of shell scripting and TCP/IP
- Basic knowledge of TCP/IP

Tivoli Privacy Manager for e-business

- Understand ITPM architecture and components
- Plan an ITPM implementation
- Plan a monitor development project
- Perform basic prerequisite software configuration and verification
- Perform ITPM installation and configuration
- Perform policy deployment
- Perform monitor implementation
- Create and manage audit reports
- Tune ITPM for performance
- Troubleshoot installations and resolve problems

Tivoli Risk Manager

- Understand the IBM Tivoli Risk Manager architecture and components
- Design Risk Manager deployment architecture based on customer requirements/environment
- Perform basic installations of the prerequisite applications

- Install and configure Risk Manager server software and related components
- Install and configure Risk Manager sensors and adapters
- Maintain and configure Risk Manager rulebases
- Perform advanced Risk Manager administration tasks
- Instruct customer on how to differentiate incident events and take appropriate actions
- Perform maintenance and recovery tasks
- Generate reports
- Perform problem determination and troubleshooting

To achieve any of these three certifications candidates must pass a corresponding examination at a VUE or Prometric testing centre. For more information on these certifications, their exam objectives and available training please visit IBM at www.ibm.com.

Tivoli Certified Solutions Expert

- IBM SecureWay Firewall for Windows NT
- IBM SecureWay Firewall for AIX

The IBM SecureWay Firewall is available for both Windows NT and AIX operating systems, and accordingly two different examinations are offered. The following topics are covered in the examinations and are tested in a multiple-choice question examinations at Prometric and VUE testing centres:

- IBM SecureWay planning, installation and testing
- Application firewall requirements
- Secure network structure documentation
- Firewall response requirements
- Name resolution using DNS
- Configuring DNS
- Filtering rules
- IP routing through the firewall
- SOCKS server configuration
- Secure proxy accounts
- Secure account removal
- Secure e-mail service
- Firewall configuration validation
- Intrusion prevention and documentation

For more information on the IBM SecureWay Firewall and related certifications please visit IBM at www.ibm.com.

Tivoli Certified Consultant

Two Tivoli Certified Consultant certification specialisations exist: the IBM Tivoli Access Manager for e-business and IBM Tivoli Access Manager for Business Integration. The topics covered by these certification examinations are as follows:

IBM Tivoli Access Manager for e-business

- Planning
- Installation
- Configuration and customisation
- Programming
- Maintenance and troubleshooting

IBM Tivoli Access Manager for Business Integration

- Planning and evaluating current environment
- Installing and configuring
- Configuring logging and auditing
- Troubleshooting problems
- Performing administrative tasks

Each certification involves one multiple-choice questions examination which may be taken at VUE and Prometric testing centres. For a comprehensive introduction to the IBM Tivoli Access Manager suite and more detailed information on these certifications and corresponding training please visit IBM at www.ibm.com.