

| DEFINITION | | | | | | |
|---|--|---|--|--|--|--|
| Name | Virus Detection and Elimination Criteria for E-Mail and Groupware | | | | | |
| Description | To make available to the State of Missouri Enterprise a set of minimum criteria for the selection of anti-virus software and products for security protection of E-mail and Groupware applications. | | | | | |
| Rationale | All E-mail and Groupware applications within the State of Missouri computer environment shall execute an anti-virus security product that conforms to a minimum set of compliance criteria. These criteria shall serve as a checklist to help administrators choose the appropriate anti-virus solution for their environment. | | | | | |
| Benefits | To significantly improve E-mail and Groupware trust and security through a set of criteria for the following security services: Protection to E-mail and Groupware application systems from computer virus intrusion. Detection of computer viruses on an infected E-mail or Groupware applications. E-mail and Groupware application recovery from a computer virus infection. | | | | | |
| ASSOCIATED ARCHITECTURE LEVELS | | | | | | |
| List the Domain Name | | Security | | | | |
| List the Discipline Nam | ne | Technical Controls | | | | |
| List the Technology Area Name | | Virus Detection and Elimination | | | | |
| List Product Component Name | | | | | | |
| | | COMPLIANCE COMPONENT TYPE | | | | |
| Document the Compliance Component Type | | Guideline | | | | |
| Component Sub-type | | | | | | |
| COMPLIANCE DETAIL | | | | | | |
| State the Guideline, Standard or Legislation | | Virus Detection and Elimination Criteria for E-Mail and Groupware Applications | | | | |
| | | State of Missouri E-mail and Groupware applications shall be protected with anti-virus software and procedures that meet the checklist of criteria detailed in the following service areas. | | | | |
| | | <u>General E-mail and Groupware Anti-Virus Criteria</u> Virus scanner software shall be run on all E-mail and Groupware applications even if the networks perimeter devices are scanning for viruses. Anti-virus software shall use a separate and configurable agent | | | | |

- Sender name (virus@malicious.com)DNS extension name (@dns.com)
- Subject line
 Message body context
 Attachment name
- o Multiple criteria

| <u>Virus Reporting Capabilities</u> Anti-virus software shall provide the ability for detection notification via both audio and visual alerts. Anti-Virus software must provide remote notification of administrative alerts via the following methods: SMTP/E-Mail SNMP Alerts Log to a file Log to an Enterprise Repository |
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| Post-Detection Anti-Virus Action Capabilities It is highly desirable that anti-virus software be able to eradicate malicious software and viruses detected through the following means: Quarantine – moving the infected file into an area where it cannot cause more harm. Virus Removal – allows for repair of the damage caused by the virus. Deny Access – prohibits the file from being accessed once infected. Delete – complete removal of the infected file from the system. Anti-Virus Scan Engine Update Capabilities Anti-virus signatures need to be updated continuously, either through a manual or automated process. |
| Shall provide a secure procedure for keeping the detection engine up-to-date with the latest detection signatures & scan engine techniques (new viruses are discovered daily) Shall provide for automated updates of both scan engine and signatures on a scheduled interval or as needed. Virus scan engine shall have the ability to stay up-to-date with the latest developments in malicious software detection. |
| Anti-Virus Installation Criteria Anti-Virus software shall be capable of automatic deployment and installation via the following: Installation via image – anti-virus software shall be able to be included in the standard E-mail or Groupware application image deployed within the enterprise. Remote installation – Anti-virus software shall support deployment to remote systems (dial-up, VPN, etc.) providing the same level of protection to these devices. Anti-virus software deployment (and updates) shall be transparent to end-users. Anti-virus software shall provide "Wizard-enabled" installation routines to automate and expedite installation. |
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| | Service and Support State of Missouri virus protection products shall be backed by vendors who offer 24 x 7, 365 days a year phone support. Anti-virus vendors shall provide a comprehensive documentation and assistance package, including a facility for pro-active timely warnings of new malicious software and virus events. Anti-virus vendors shall provide "Virus Catalog Support" including: A lexicon of known viruses detailing descriptions, how they are spread, what they do, how they are recognized and how to remove them. Downloads or links to disinfection tools. A clear and concise description of the anti-virus tools functionality, including procedures for updating the product with new detection signatures. General advice to end-users on attacks and avoidance measures. | | | | | | |
|--|--|-------------|-----------------------|--|--|--|--|
| Document Source Reference # | 2# N/A | | | | | | |
| Standard Organization | | | | | | | |
| Name | ISCA Labs | Website | www.iscalabs.com | | | | |
| Contact Information | ISCA Labs is a division of TruSecure Corporation and can be reached at 1-888-396-8348 (info@trusecure.com) | | | | | | |
| Government Body | | | | | | | |
| Name | National Institute of Standards and Technology (NIST), Computer Security Resource Center (CSRC) | Website | http://csrc.nist.gov/ | | | | |
| Contact Information | inquiries@nist.gov | | | | | | |
| KEYWORDS | | | | | | | |
| List all Keywords | Virus, virus detection, malicious code, virus products, virus reporting, anti-virus vendors, anti-virus engine, zoo, trojan horse, backdoor, worm, stealth, blended threat, boot sector infector, companion, denial of service, dropper, file infector, logic bomb, malware, multi-partite, overwriting, parasitic, polymorphic, tunneling, variant, terminate and stay resident (tsr), management, content filtering | | | | | | |
| | COMPONENT CLAS | SIFICATIO | N | | | | |
| Provide the Classification | Emerging Current | | Twilight 🗌 Sunset | | | | |
| Rationale for Component Classification | | | | | | | |
| Document the Rationale for Component Classification | | | | | | | |
| | Conditional Use R | estrictions | | | | | |
| Document the Conditional Use Restrictions | | | | | | | |
| Migration Strategy | | | | | | | |
| Document the Migration Strategy | | | | | | | |

| Impact Position Statement | | | | | | | |
|--|----------------|--------------------------|----------------|--|--|--|--|
| Document the Position Statement on Impact | | | | | | | |
| CURRENT STATUS | | | | | | | |
| Provide the Current Status) | In Development | Under Review 🛛 Approv | ved 🗌 Rejected | | | | |
| AUDIT TRAIL | | | | | | | |
| Creation Date 02-06-2003 | | Date Accepted / Rejected | 02-27-2003 | | | | |
| Reason for Rejection | | | | | | | |
| Last Date Reviewed | | Last Date Updated | | | | | |
| Reason for Update | | | | | | | |