

WinST Multi-Level Security on Microsoft Windows®

Working to become a dependable partner of choice

BAE Systems Insyte's information security products enable classified information sharing, while enforcing network segregation. Highly evaluated, these products provide unrivalled data security and are available off-the-shelf or as part of a total system solution.

WinST modules provide multi-level security for Microsoft Windows®, providing:

- Assignment of clearances to users, roles, workstations and printers
- Controlled access to sensitively marked data with extensible security labels
- Generic guard interface guarantees separation of system internals from the outside world
- Full drag and drop functionality and clipboard support

Multi-Level security via Windows

WinST enables the deployment of the familiar Windows® interface within secure environments. Based on the Bell-LaPadula security model, it brings fine-grained mandatory access control to operating systems:

- Windows XP
- Windows Server 2003
- Windows 'Longhorn'.

Modular system architecture

Built from the ground up, WinST has a modular architecture enabling deployment of specific security-related functionality in a wide variety of scenarios.

Through the easy to use programming interface, provided by WinST, third party software applications can be modified to be 'security aware'.

Role based logon enables appropriate and correct levels of access at all times

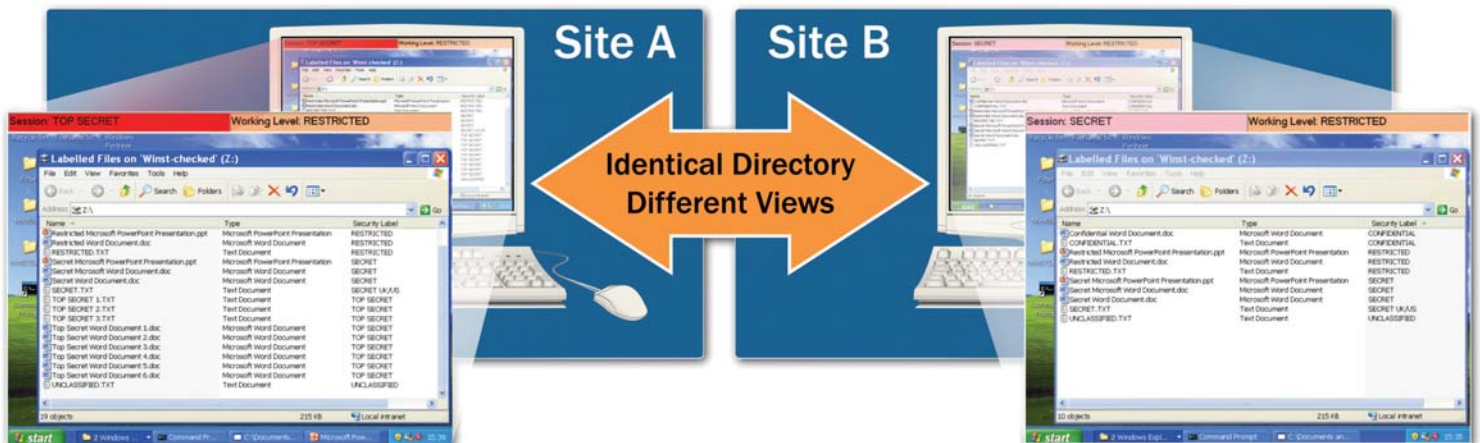
Users of secure systems typically maintain several roles at any given time. WinST supports this through role logon functionality, allowing users to choose a role with the necessary clearances and privileges to perform the task and no more.

Session clearances

User clearances are not always enough. Many scenarios require the role and the location to be a factor in determining access. WinST supports this with a session clearance that is the lowest bound of user, role and location clearance.

Security a priority – controlled file visibility

Mandatory access control is provided by integration of WinST with the file system, enabling file visibility to be controlled according to file sensitivity and user clearance. Transparency to third party applications is maintained through the association of protective markings at the file system level.



TOP SECRET View

SECRET View

Security label handling

In secure environments labels associated with information from different sources, often with different labelling schemes, need to be reconciled. WinST's label handling functionality supports multiple, concurrent and custom label schemes.

Benefits include:

- Effective processing of clearances and sensitivities from different sources
- Translation between different labelling schemes
- Straightforward modification of labelling schemes.

Security manager benefits

- Data transfer and appropriate re-grading of documents
- Full drag and drop as well as Microsoft Windows® clipboard support
- Access control for printers and labelling printed pages
- Generic guard interface guarantees the separation of system internals from the outside world.

Information auditing

Information auditing through WinST ensures security events are fully accounted, providing the administrator with a detailed picture of system use.

Intuitive user interface

WinST's intuitive user interface reduces the need for training. Located at the top of the screen, a simple stripe details the user's:

- Session clearance
- Clipboard sensitivity
- Active window sensitivity.

It also provides intuitive functions to re-grade documents or clipboard contents.

WinST provides a well-designed, secure software base for the provision of multi-level secure systems on the Microsoft Windows® platform.



Installation component selection

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04.10.Insyte.BC055906.01.v02