



ACE Study Guide

**The below study guide is designed to list the knowledge topics the examiner needs to be familiar with to successfully pass the exam. Also, listed at the bottom, are the topics of practical ability an examiner will need to pass the exam.

FTK Imager

- Encryption of image files
- Image mounting
- File Hash List creation
- RAM Capture
- Image creation capabilities and formats
- Drive identification by Imager
- Image Summary output details

Registry Viewer

- Difference between Add to Report and Add to Report with Children
- Common Areas
- Registry Viewer report creation
- Searching within a registry file using Registry Viewer
- Interface/pane descriptions and capabilities

PRTK (Password Recovery Tool Kit)

- Golden Dictionary
- Attack types
- Profiles and profile creation
- Dictionary generation
- Custom profile creation
- Steps for adding files for decryption

FTK Examiner Application/Case Management Window

- UTK tool integration
 - Registry Viewer from within FTK
 - PRTK/DNA from within FTK
- KFF hash importing
- Evidence processing options
- Additional analysis abilities
- Bookmarking
- Index Searching
- Live Searching
- Interface
 - Tab information and abilities to view data on specific tabs
 - Dropdown menu options
 - Right click menu options
 - File Content pane abilities
 - Toolbars
- Ability to describe concepts described in question text, graphic or displayed video
- Case Management Window abilities
- Processing Profile Creation
- Data carving abilities and output
- FTK Reporting
- FTK user assignment to cases and ability permissions
- Filtering

Practical Usage of FTK abilities

Examiners will need to be able to do the following functions in FTK, RV, Imager, PRTK. Examiners should also have basic to moderate forensic knowledge to be able to understand what artifacts are being asked about and how to leverage FTK, RV, Imager or PRTK to find those artifacts.

- View and analyze Registry files
- Decrypt files using PRTK
- Use Live and Index Searching
- Run all tab functionality
- Use the KFF
- Apply, create and/or import filters and column settings
- Know how to find OCR data, Geolocation Data, and Metadata



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