Cloud Computing Forensic Science Requirements Analysis

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CCFSWG Objectives

- Gather input from all stakeholders
- Develop a CCFS vocabulary
- Develop Goals, Use Cases, Requirements
- Analyze Requirements for gaps
- Develop measurements standards, and technology research to fill gaps
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Why?

- What will a forensic analysis achieve?
- Who are the stakeholders?
- How will they achieve these goals?
- What requirements need to be met?
- How do existing capabilities compare to these requirements?
- What needs to be done first?
Goals

- Goals are used to understand the objective of the stakeholders.
- Goals can have sub-goals that the higher goal depends on.
- Goals may conflict with other goals.
- Sub-goals have use cases that are performed to achieve the goal.
CCFS Goal Decomposition
Use Cases

• Describe how a user interacts with the system
• Achieve a goal
• Have a primary actor
• Specify start and end conditions
Requirements

- Functional
  - What the system does
  - Based on use cases

- Non-functional
  - What the system is (quality)
  - Based on architectural concerns
WG Actions

• Collect potential goals from WG members
• Update goal decomposition
• Develop Use Cases
  • Actor list
  • Use case summary list
• Analyze for requirements