**Goal:** A scalable means of access control for resources shared across organizational boundaries, supporting:

1. bilateral trust establishment,
2. run-time access control policy discovery,
3. client and resource privacy, and
4. legacy and trust-aware resources.

**Design:** Traust utilizes the TrustBuilder framework for automated trust negotiation to conduct trust negotiation sessions within the TLS protocol.

**Usage Scenarios:**

**Legacy Scenario:** Loose binding of Traust and web site

**Trust-Aware Scenario:** Tight binding of Traust and GridFTP using embedded access hints

**Scenario Notes:**

- Client application interfaces with local Traust client process
- Access hints embedded at the application protocol level
- In GridFTP, access hints and re-authentication can be used to enforce least-privilege by changing Alice’s protection level as she traverses the file system

**Future Directions:**

- Remotely accessible Traust user agents
- Secure client-side credential caching policies
- Multi-party negotiations
- Negotiation-level credential location hints