NPTEL ONLINE CERTIFICATION COURSES

Blockchain and its applications
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Lecture 50: Hyperledger Indy 2
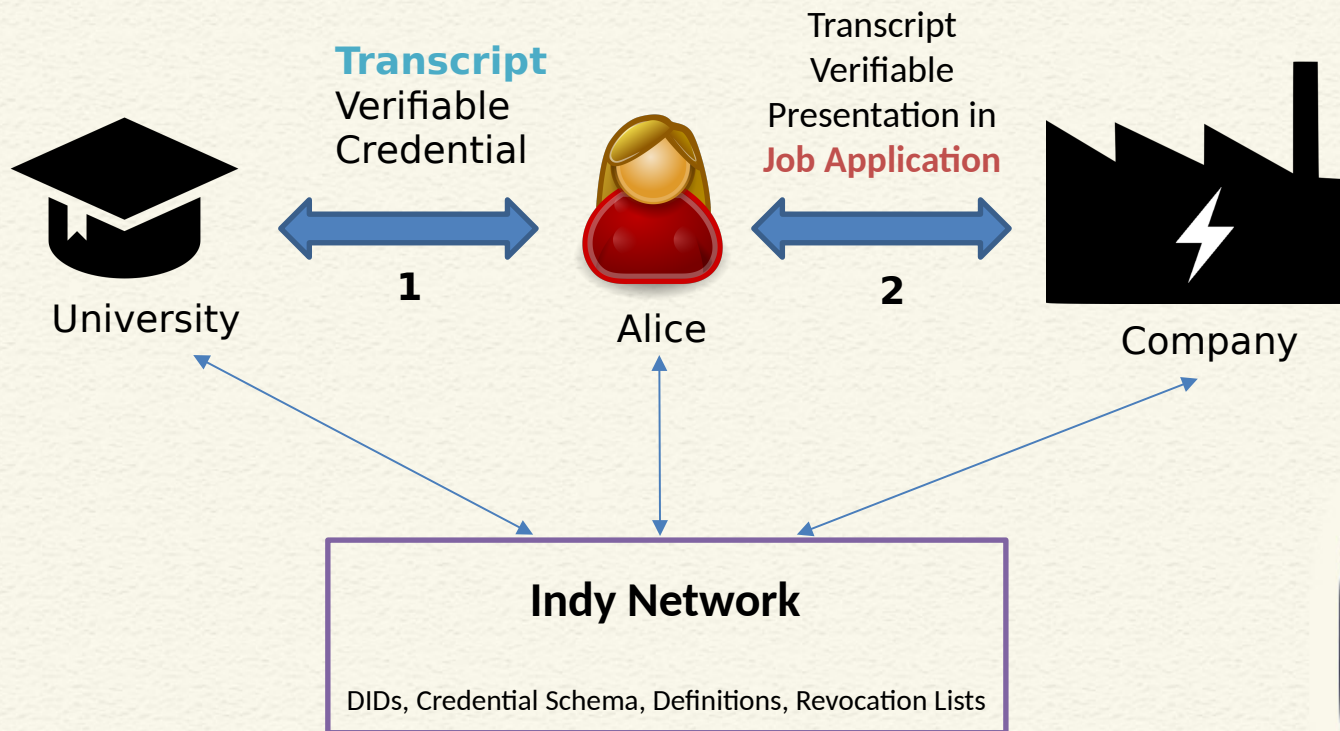
- **Indy Verifiable Credentials**

- **Presentations**

- **Indy**

- **Verifiable Credentials**

- **Verifiable Presentations**

Scenario

University

Transcript
Verifiable
Credential

1

Alice

Transcript
Verifiable
Presentation in
Job Application

2

Company

Indy Network

DIDs, Credential Schema, Definitions, Revocation Lists

Indy Credential - Presentation Flow

STEP4 – Register Credential Schema
    - Government creates transcript schema.

STEP5 – Create Credential Definition
    - University creates a credential definition.

STEP6 - Issue Credential
    - University issues transcript credential to Alice.

STEP7 – Verifiable Presentation
    Alice sends Verifiable Presentation to Company.

STEP8 – Validate Presentation
    Company validates Alice's claims from the presentation.

Source Code: https://github.com/ghoshbishakh/nptelindy

Conclusion

- Verifiable Credentials

- Verifiable Presentations

- Communication between participants