

Programming Assignment 4

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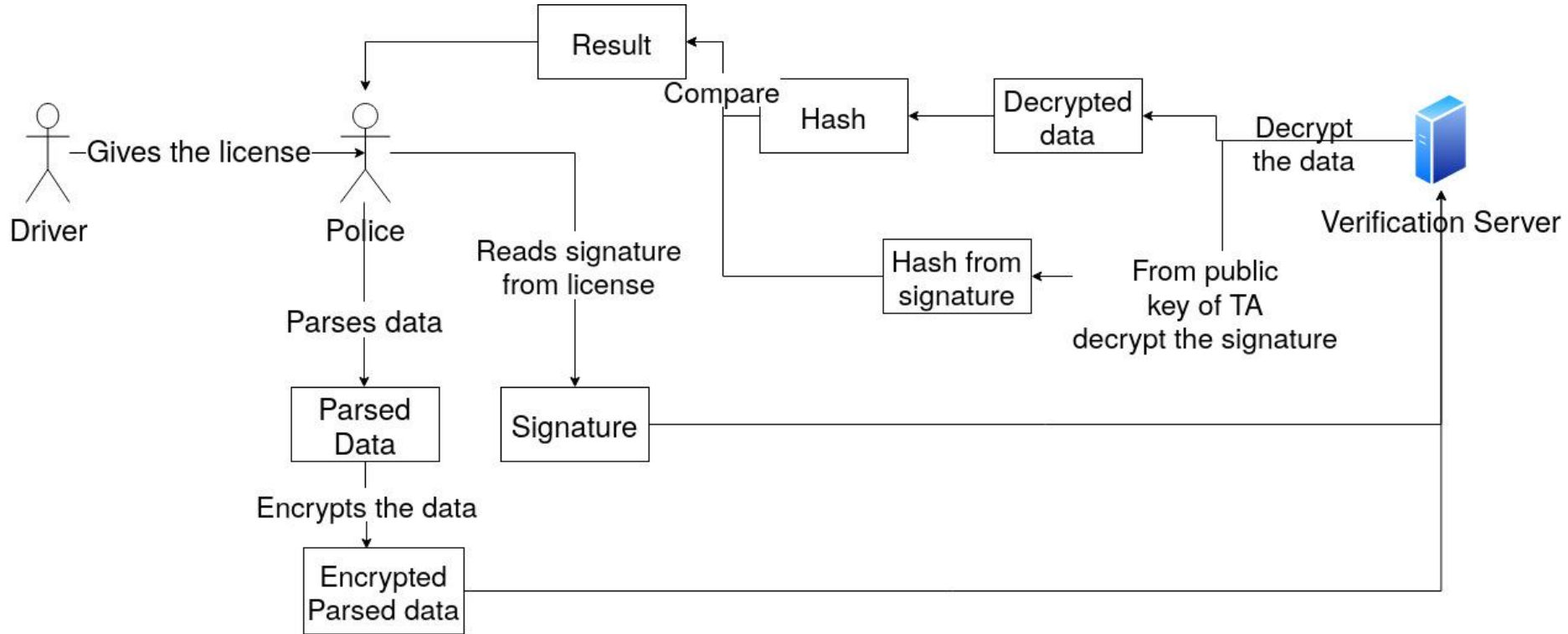
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Program Flow

TA issues license with digital signature → driver carries the license and gives the information to police officer → police officer encrypts the data and sends it along with signature to the verification server → verification server decrypts the data, hashes it and compares it with decrypted signature and returns the result

Architecture



Output

```
parsed data: 21092019Dl34321i0Nikunj21092023
Issued license with data: {'name': 'Nikunj', 'license_no': 'Dl34321i0', 'issued_on': '21092019', 'valid_till': '21092023'} signature: 583 118 583 1579 1359 111 1699 30 583 118 583 111 583 23 1699 803 2013 593 803 1579 1460 593 3 0 23 1699
verifying license with data: {'name': 'Nikunj', 'license_no': 'Dl34321i0', 'issued_on': '21092019', 'valid_till': '21092023'} and signature: 583 118 583 1579 1359 111 1699 30 583 118 583 111 583 23 1699 803 2013 593 803 1579 1460 593 30 23 1699
verification status: True
#####
verifying license with data: {'name': 'Aman', 'license_no': 'Dl34321i0', 'issued_on': '21092019', 'valid_till': '21092023'} and signature: 583 118 583 1579 1359 111 1699 30 583 118 583 111 583 23 1699 803 2013 593 803 1579 1460 593 30 23 1699
verification status: False
```