



A light-weighted authentication mechanism for IVOA standards

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Introduction

- Add an authentication level to existing services implemented using IVOA standards
 - The solutions should work both in script & graphical interactive mode
 - Typical targeted services: TAP and UWS
 - Add the authentication without “braking the existent”

The proposed architecture

Authentication service

Implements delegation of authentication

Identity provider

(e.g.: GEANT, EGI, EDU-gain, Google, Apple, Facebook, Windows live,...)



The proposed architecture

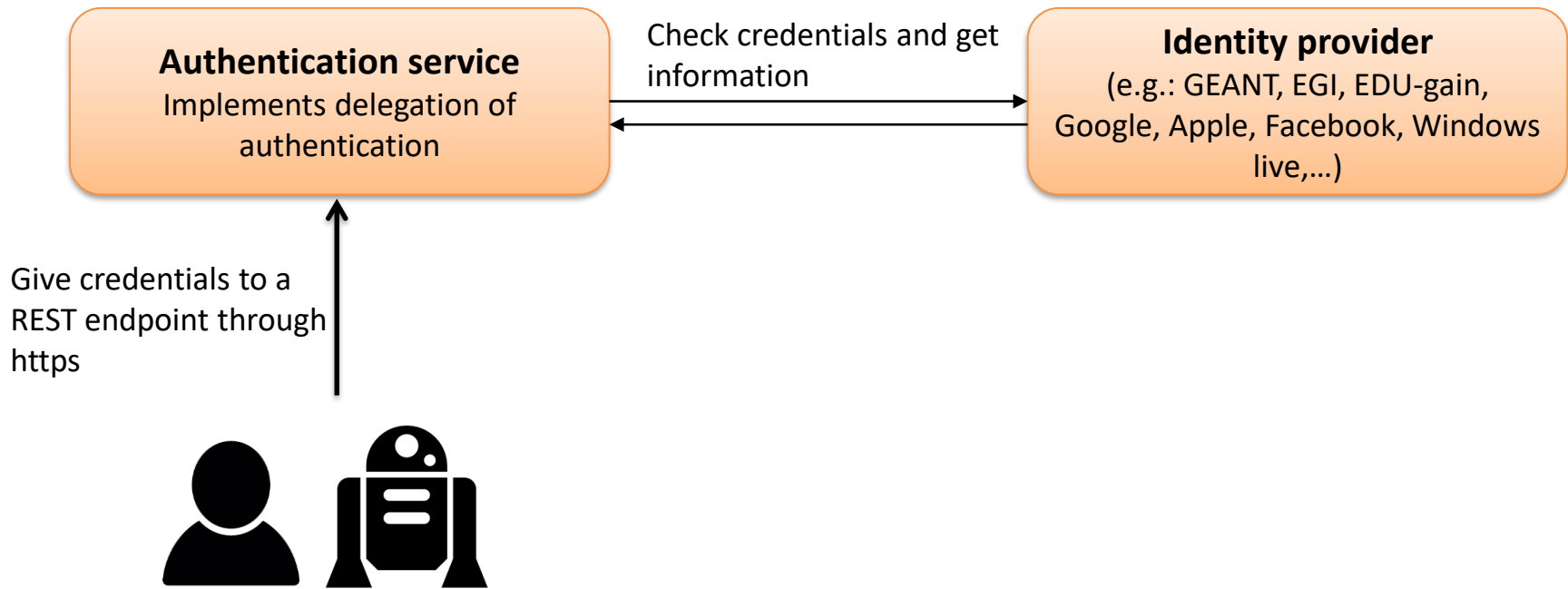
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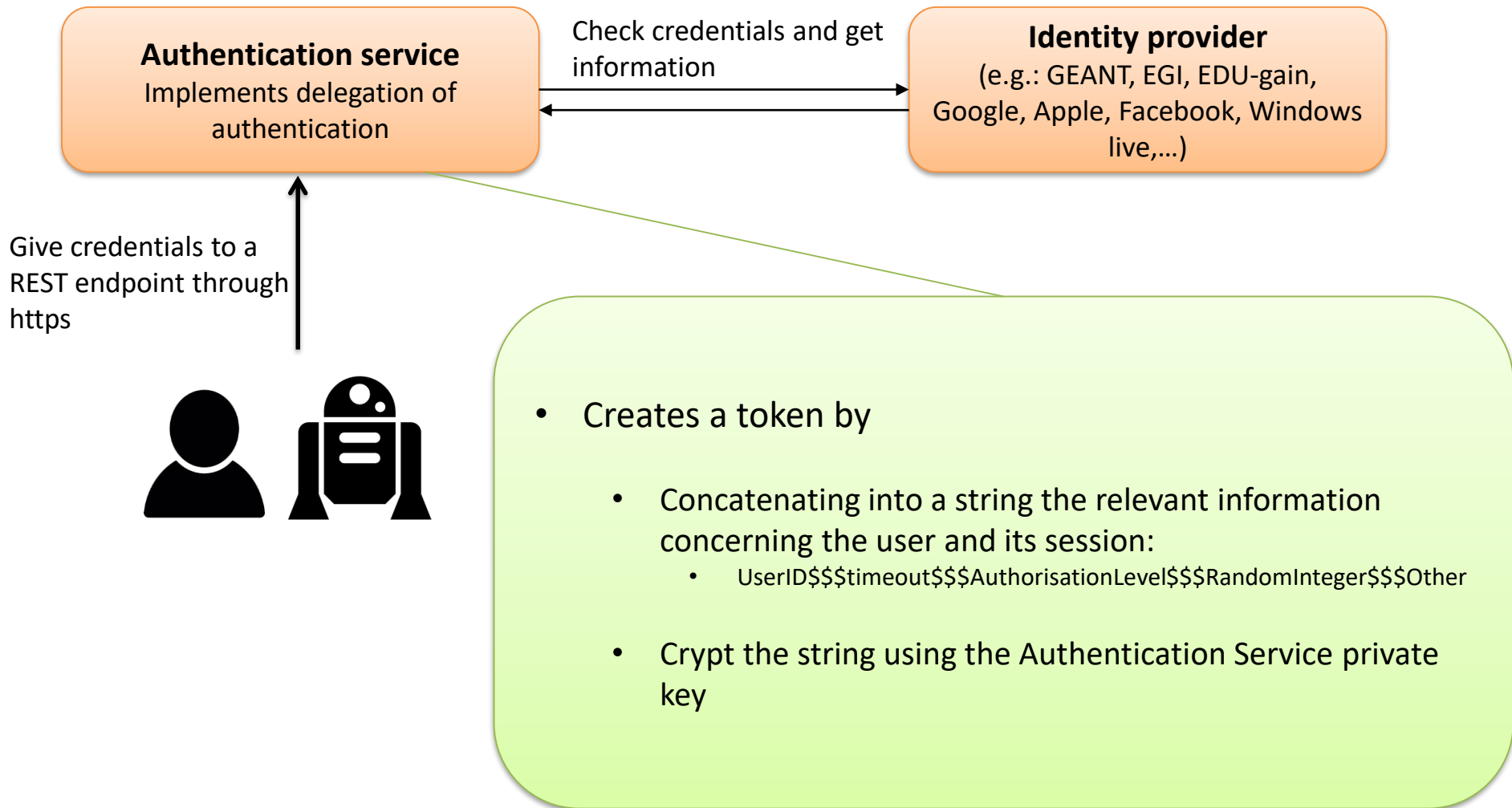
Give credentials to a
REST endpoint through
https



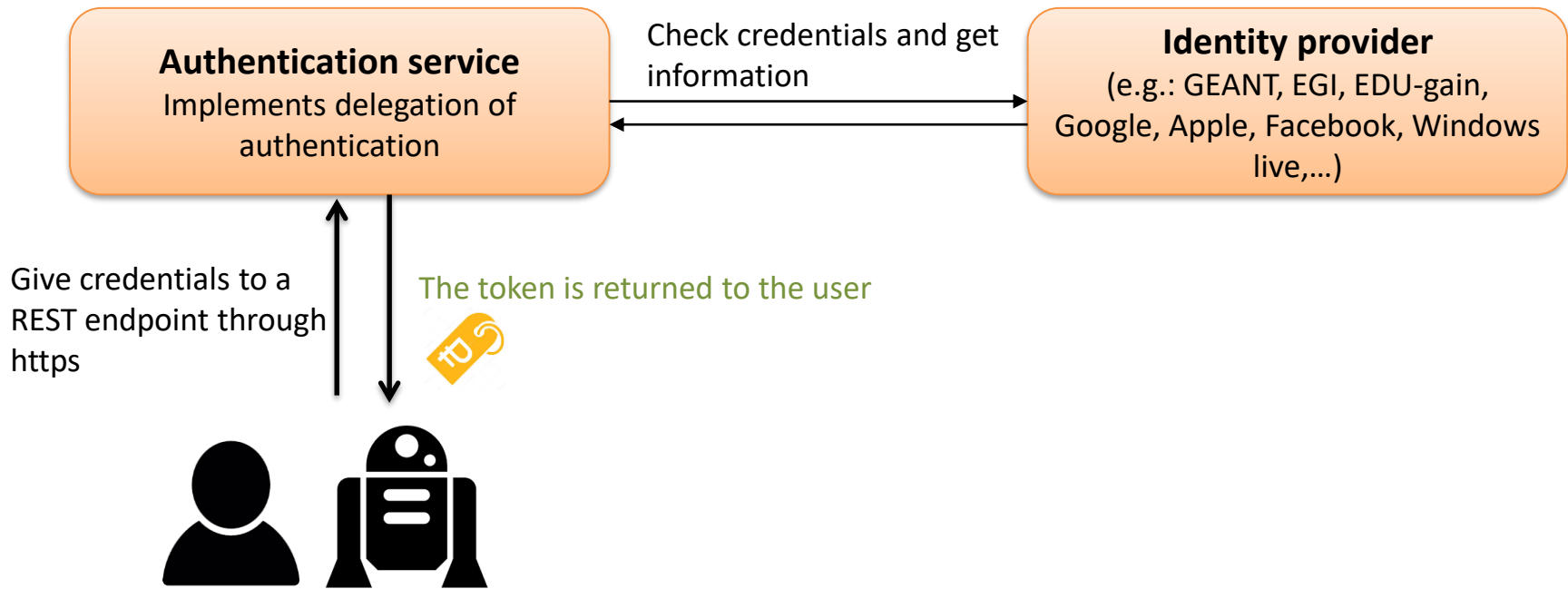
The proposed architecture



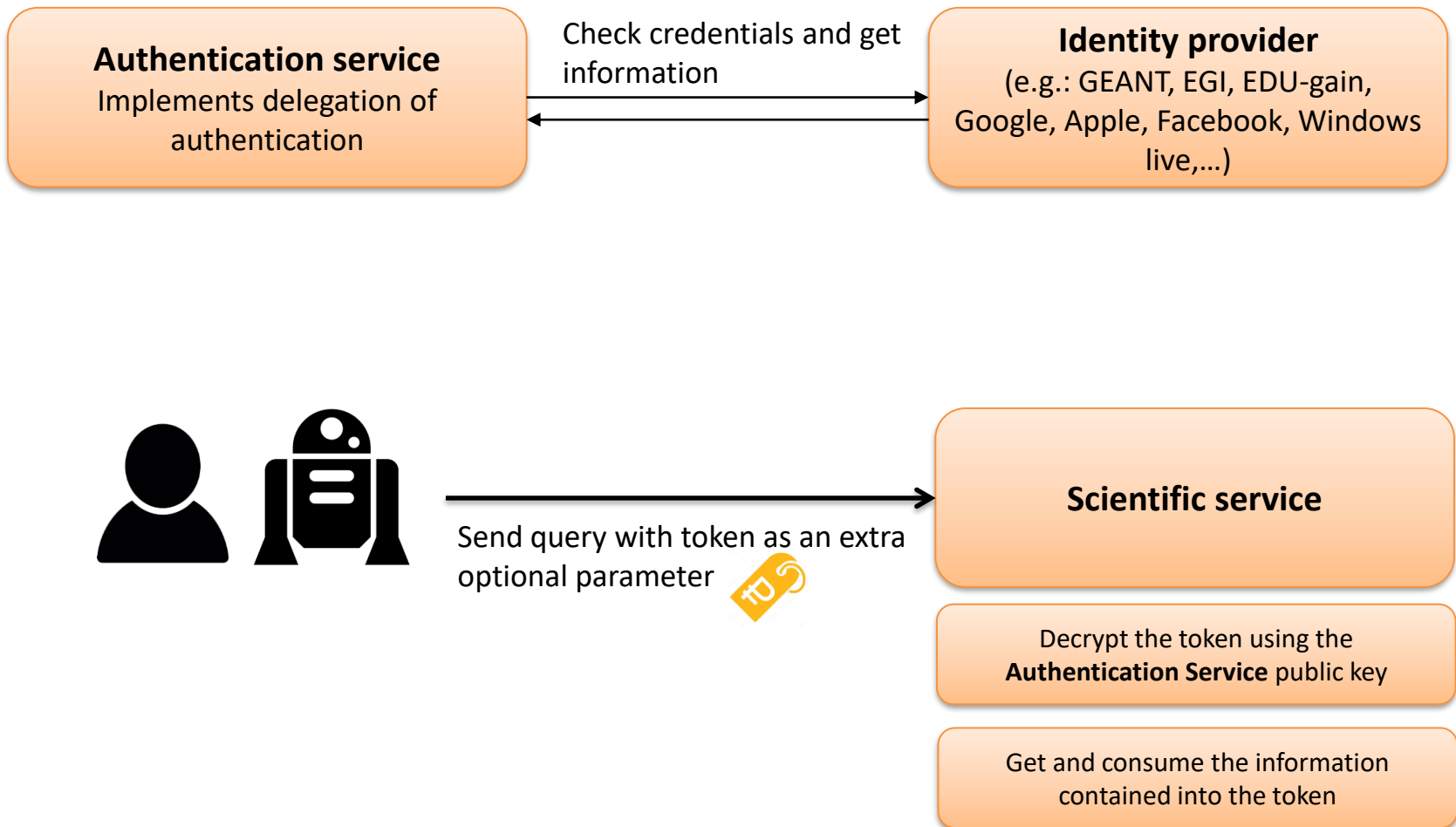
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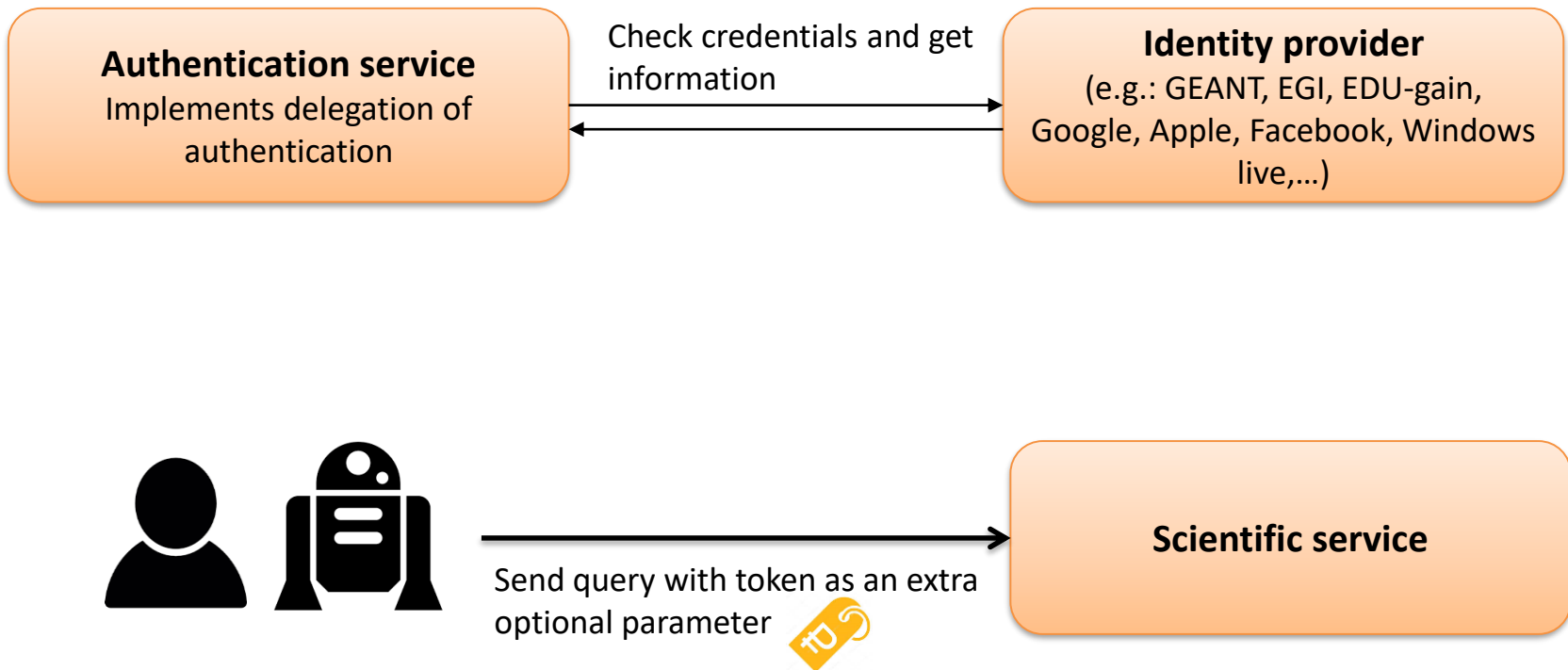
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Each service is able to validate and consuming a token → no bottleneck

A given token (as long as it is not out-of-date) may be piped from one service to another →
Trivial to script automatic processing supporting authentication