

WP3 & WP4 Integration



Animation is used to show credential flow.
This presentation is best seen in 'Slideshow'
mode

This presentation has been amended
following feedback at the Lund meeting

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.....or

What needs to be done so users can
access their data in ICAT using their
Umbrella account?



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Scenarios

1) Real world – authorisation via user office

2) ‘Toy’ – direct ICAT <-> Umbrella

TopCAT cannot be responsible for much
Other clients matter too

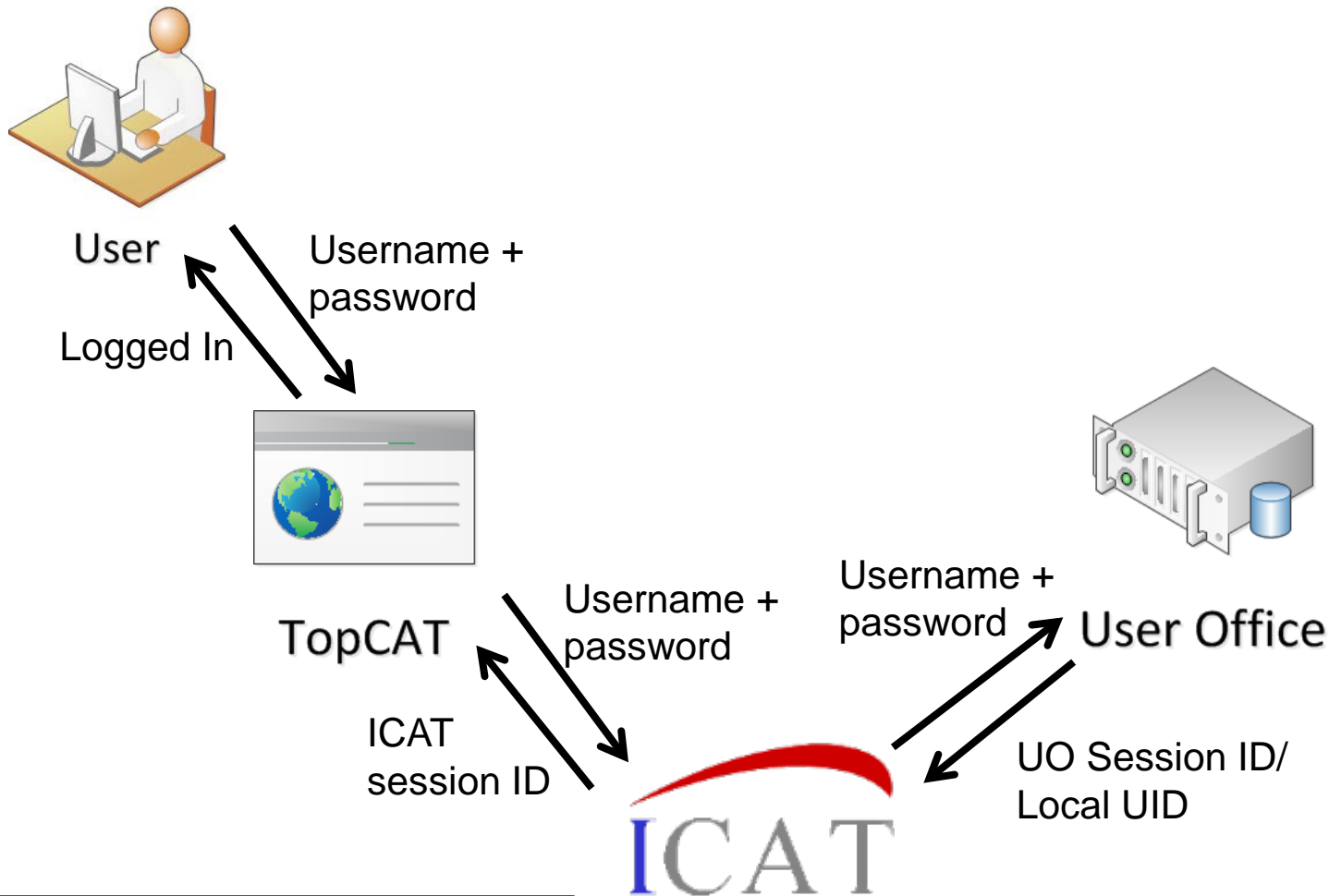


Real world - ISIS

- Users will always have local ids
- Multiple authentication routes
- Umbrella ID mapped to local id
- User office / Business system relates users to proposals



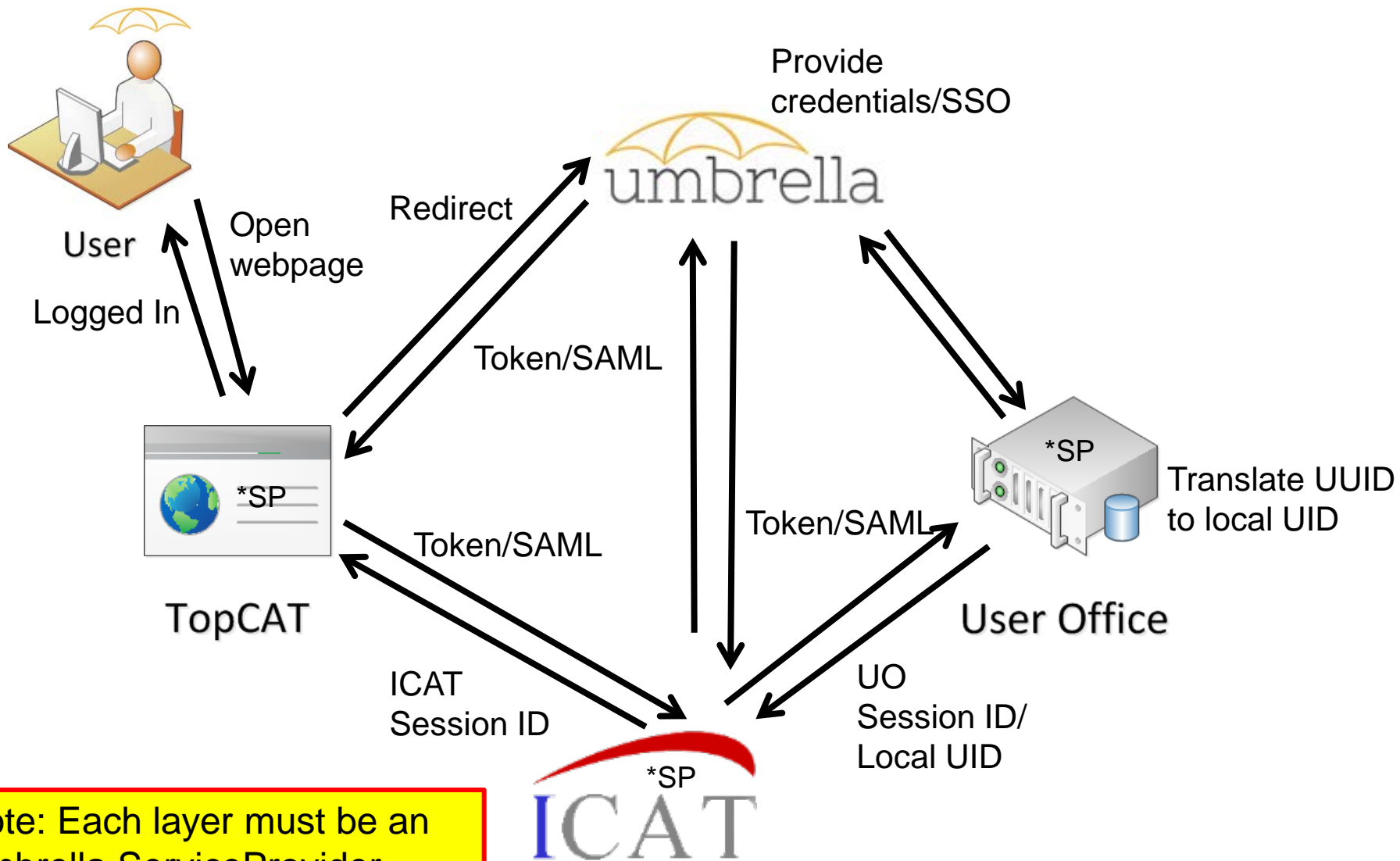
Real world – Non Umbrella



The credentials are passed between each layer in the system

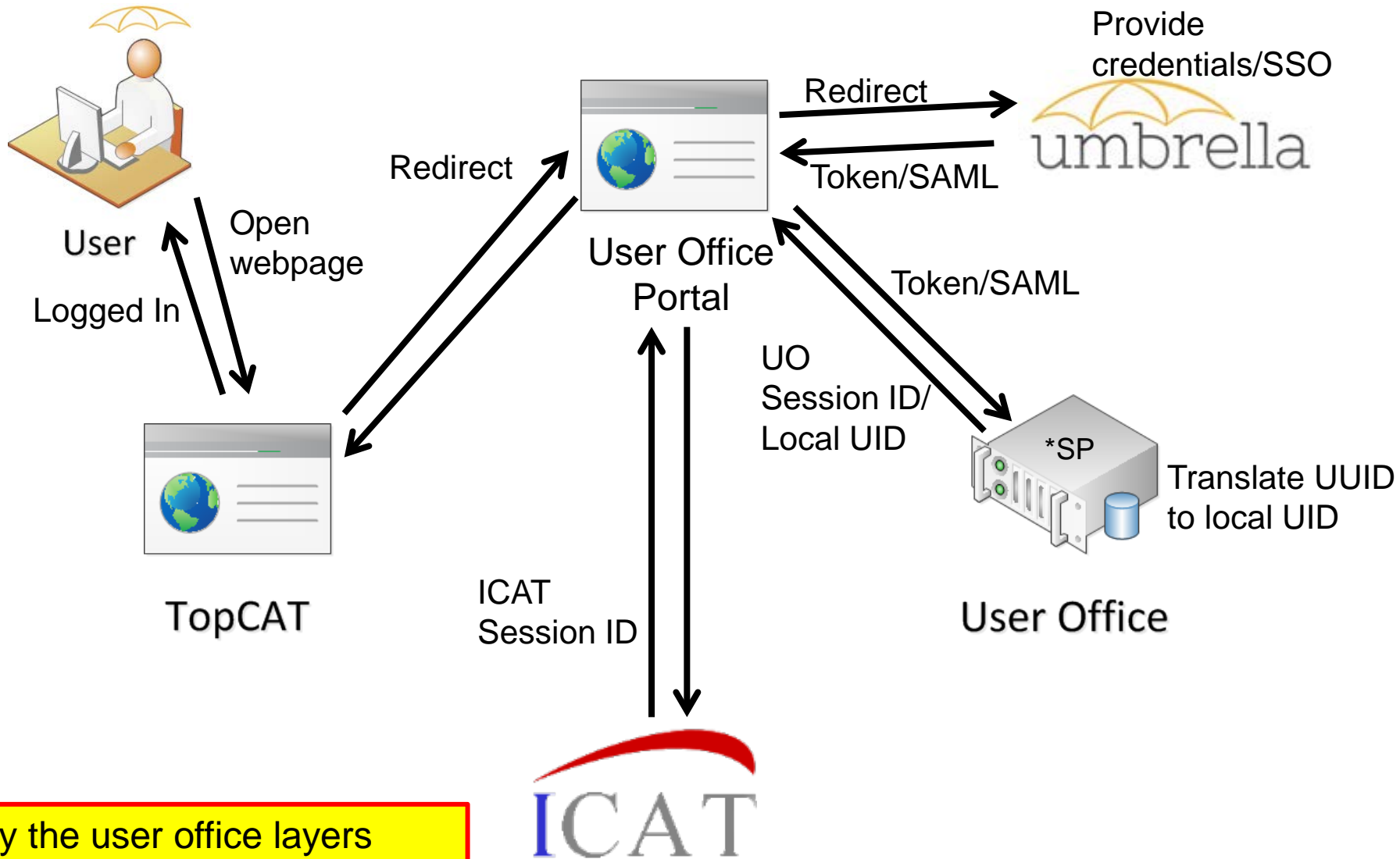
All references to ICAT mean the Authentication component of the ICAT

Real World - 'Pure' Shibboleth



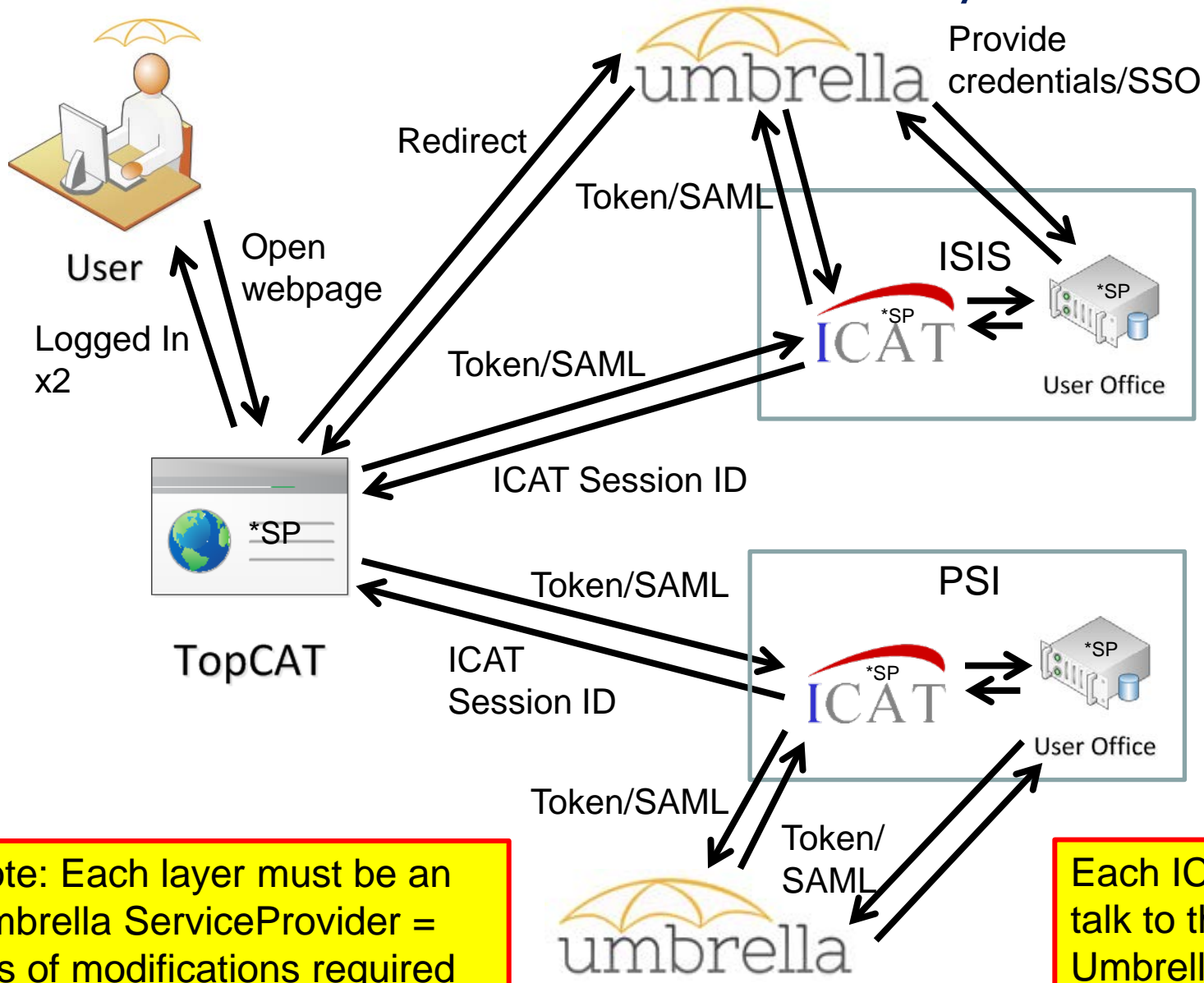
Note: Each layer must be an Umbrella ServiceProvider = lots of modifications required

'Pure' Shibboleth + UO Portal

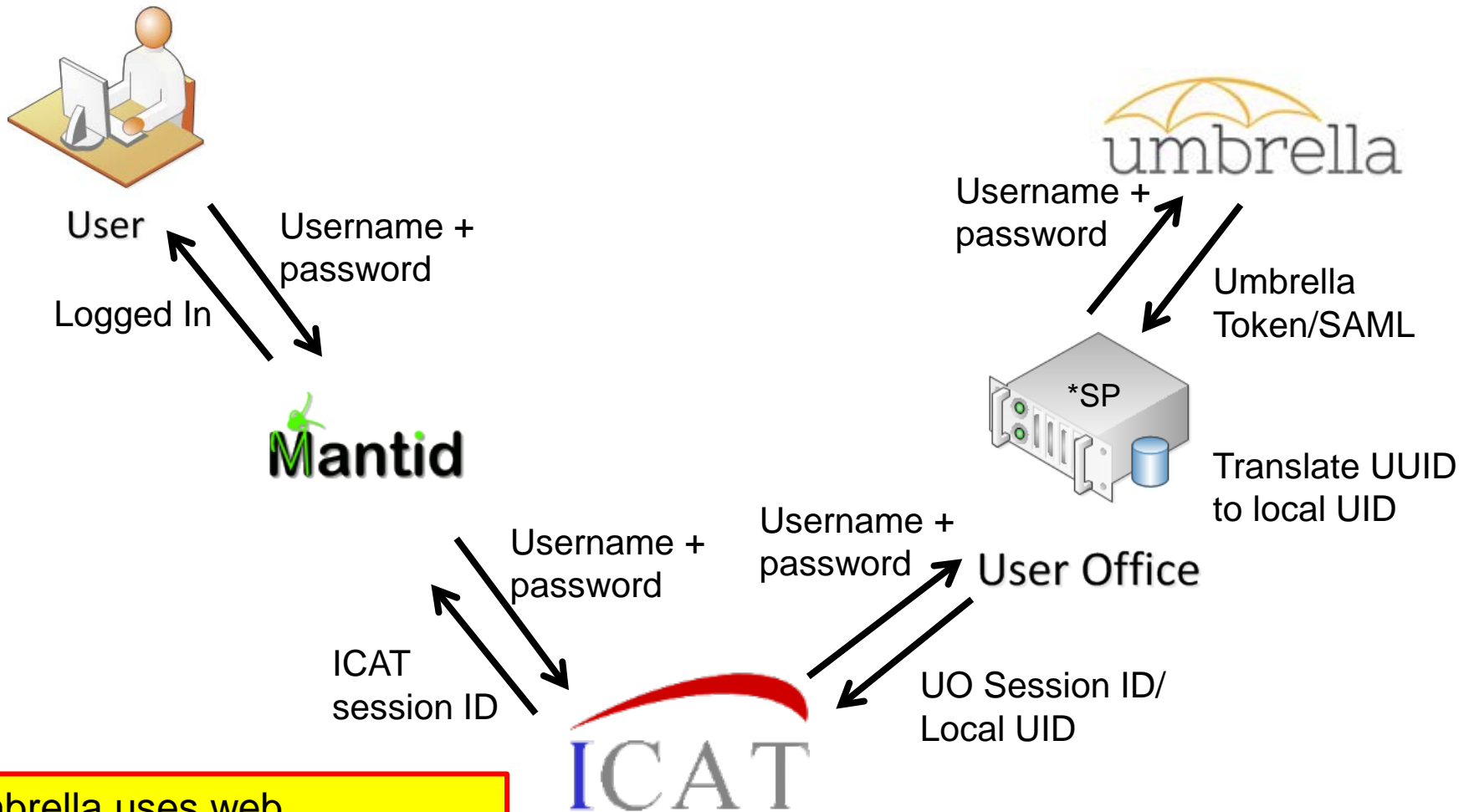


Only the user office layers
needs to be Umbrella SPs

Real world -Umbrella - Many ICATs



Real world -Umbrella - Mantis/Dawn



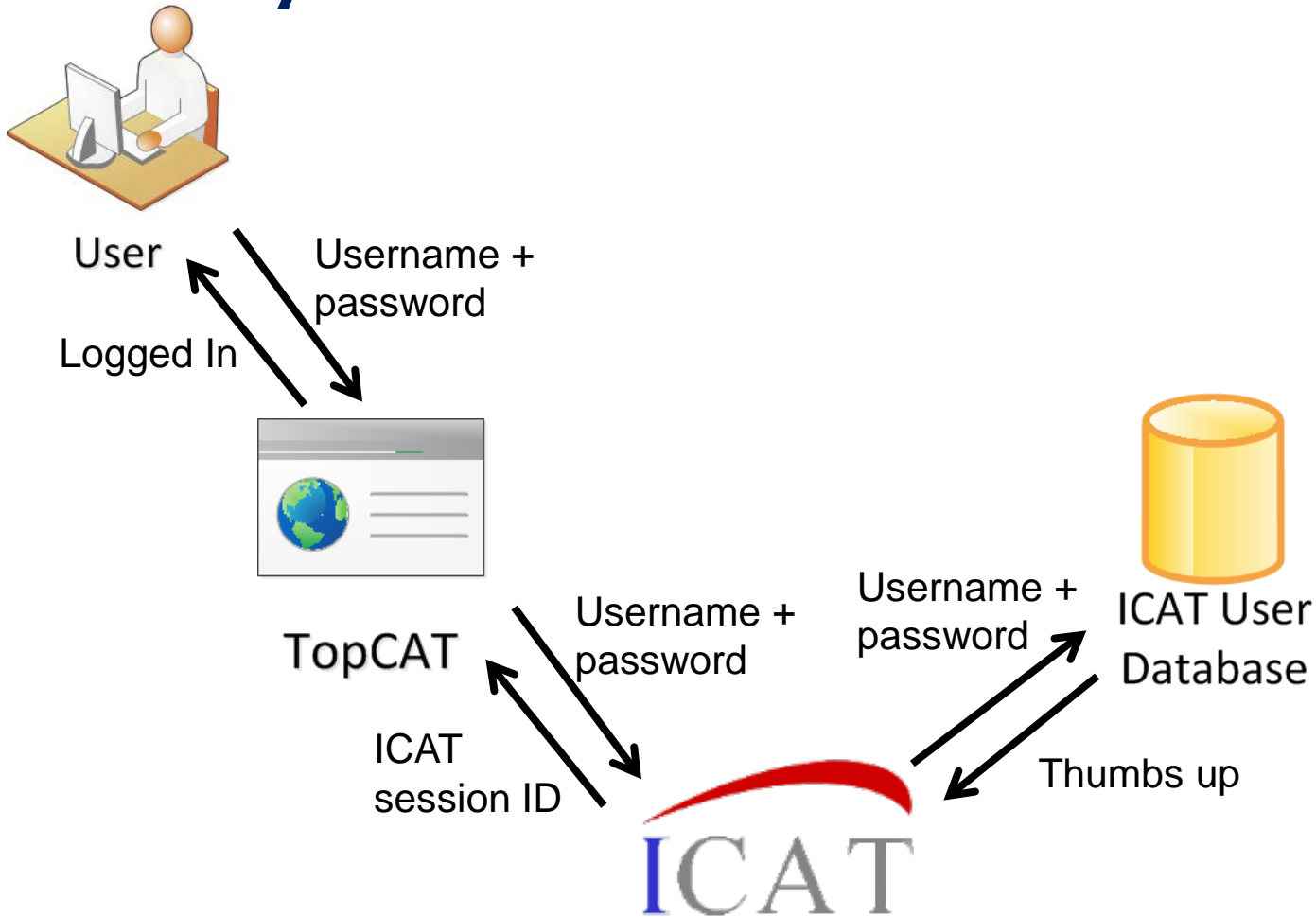
Umbrella uses web technologies. Mantis is a client application, so credentials must be explicitly passed

‘Toy’ – Direct connection

- Extend the ICAT user database/authn plugin
- Add Umbrella ID as an attribute
- Allow any authenticated umbrella user to create a local account



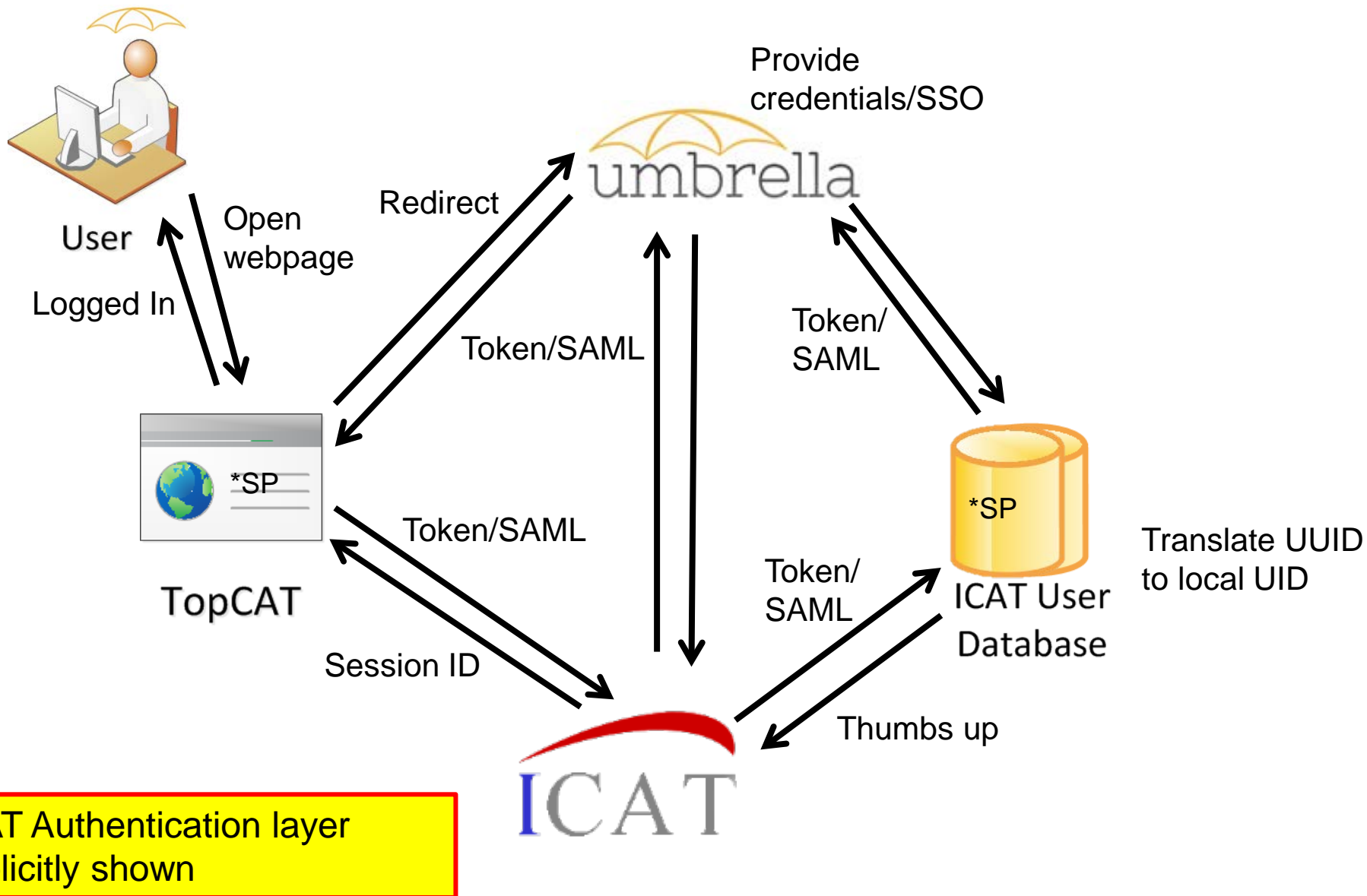
'Toy' ICAT - Non-Umbrella



'Toy' ICAT – Umbrella

| Username | Password |
|-------------|--------------|
| root | Secret |
| tom.griffin | |
| mantid_test | testpassword |
| ... | ... |
| | |

Real World - 'Pure' Shibboleth



Summary

- Many options
 - Cheap and easy
 - More work, smoother experience
- ICAT db_authn can be modified to support ‘toy’ implementations with Umbrella
- Real world implemenations always go via the user office



Questions...



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