

**UMBRELLA FOR SERVICE INTEGRATORS
COOKBOOK**

FOREWORD	3
INTRODUCTION	4
SINGLE SIGN ON AND ACCOUNT LINKING	4
ADVANCE ACTION AT THE WUO SIDE:	4
COMBINED ACTION WITH UMBRELLA TEAM:	4
ADDRESS UPDATER	4
ADVANCE ACTION AT THE WUO SIDE:	4
COMBINED ACTION WITH UMBRELLA TEAM:	4
UMBRELLA ACCOUNT UPGRADE	4
ADVANCE ACTION AT THE WUO SIDE:	4
COMBINED ACTION WITH UMBRELLA TEAM:	5
GRAPHICAL ELEMENTS CONDITIONS AND STATUS	5
ADVANCE ACTION AT THE WUO SIDE:	5
COMBINED ACTION WITH UMBRELLA TEAM:	5

Foreword

Umbrella is a layer on top of the local web-based user offices (WUOs). In order to 'Umbrellify' existing WUOs and to provide the new functionalities offered by Umbrella the following steps have to be taken (basic Umbrella):

- a) Installation of the central Umbrella service
- b) Upgrade the existing WUO
- c) Link it to the central service

Throughout this document it is assumed that a) is already taken care of by the Umbrella team. Thus, the description will concentrate on steps b) and c). Furthermore, part of the work necessary will preferentially be performed in direct cooperation between the Umbrella team and the respective WUO experts, part of the work should be performed already in advance.

Most of the issues described below will describe activities on the local WUOs, which are clearly under full control of the local facility experts. On the other hand, however, these activities will be very similar for all partner WUOs. Therefore, it is highly advantageous in respect to design, programming and service, if there is a common approach and the local facility-specific components are kept as small as possible. Thus, the descriptions below are formally of proposal character but should be modified only on case of a clear need.

The present document (Cookbook, UmbrellaServIntsCookx.docx) is the cooking recipe only, the detailed information is provided by the *description document* (UmbrellaServIntsDescx.docx). Page numbers refer to the *description document*.

Introduction

On the WUO side, several actions are required. In part, they can be performed already in advance; in part they are performed in cooperation with the Umbrella team.

Single sign on and account linking

This work (p.6) installs the basic communication between the central Umbrella service and the respective WUO.

Advance action at the WUO side:

Installation (p.6) of the SAML2 Service Provider software (2d)

- Install Shibboleth Service Provider(0.5d)
- Implement Account Linking(1.0d)
- Implement Single Sign-On(0.5d)

Combined action with Umbrella team:

Installation of link between WUO and Umbrella(0.5d)

- Install Service Provider Metadata on IdP(0.5d)

Address updater

This work (p.9) installs the address updating tool at the local WUO. By means of the address update a user is able to retrieve his information stored at the local WUO, modify it and store submit it back for storage. In addition, the user can request to store the updated information at the other partner WUOs, where he/she is registered.

Advance action at the WUO side:

Setup of the linking table between the local user table and the default user table.(2d)

- Install Challenge-Response mechanism[0.5d]
- Implement DB-Updater[0.5d]

Combined action with Umbrella team:

Installation Endpoint on Umbrella Software[0.25d]

Umbrella account upgrade

This work (p.12) allows a user to upgrade an existing WUO account to an Umbrella account with maximum user friendliness. In the ideal case, a user has just to provide the password for the Umbrella account, all other information is taken from the existing WUO account.

Advance action at the WUO side:

Installation Upgrade Link[0.5d]

Combined action with Umbrella team:

Graphical elements conditions and status

This work (p.13) performs the necessary modifications of the respective WUO web pages.

Advance action at the WUO side:

Installation of context-sensitive graphics (0.5d)

Combined action with Umbrella team: