# Generate Structures Mgr Users for HE

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## Overview

This process requires a table to be created and populated from the spreadsheet of trained users from Kahootz. It then works through the table checking the suggested username and initials against what already exists, assigns new ones if necessary, and creates the users. Any errors are reported in the table for review after the process has completed.

### Admin Units

There have been variations in the format of admin unit in the spreadsheets so please make sure they follow this format:

* HE users with access to everything: ALL
* South West users (areas 1 & 2): SWR
* DBFOs use the admin unit number, NOT the road number, e.g. DBFO M25 should be ‘5’
* All other admin units, the admin unit number by itself. E.g. Area 6 should just be ‘6’

There can be up to 4 admin units – each number / code should be in a separate column.

## Executing the Process

The steps are:

1. Create table bulk\_user\_creation using the script bulk\_user\_creation.sql
2. Create table buc\_area\_scope\_map using the script buc\_area\_scope\_map.sql
3. Create table buc\_eb\_roles using the script buc\_eb\_roles.sql (warning: this takes about 2 hours)
4. Disable PK on bulk\_user\_creation so that basic info can be inserted

alter table bulk\_user\_creation drop constraint bulk\_user\_creation\_pk;

drop index bulk\_user\_creation\_pk;

1. Create insert scripts for the area(s), name, email address and role privileges data in the spreadsheet provided and populate the table. Example insert statement:

*insert into bulk\_user\_creation(buc\_au1, buc\_au2, buc\_au3, buc\_au4, buc\_name,buc\_email\_address,buc\_hesro ,buc\_hesc ,buc\_hesie ,buc\_henspad ,buc\_henspo ,buc\_henspau ,buc\_hesmpc ,buc\_hesmpa ,buc\_hesmpm ,buc\_hesca ,buc\_hesu ,buc\_spsro ,buc\_spsie ,buc\_spsi ,buc\_spse ,buc\_spsia ,buc\_spsim ,buc\_spslm ,buc\_spspc ,buc\_spspm ,buc\_spsla ,buc\_spssau ,buc\_spsaau ,buc\_spsrmu ,buc\_tposro ,buc\_tpospd ) values ('12','','','','Adam Lilley','adam.lilley@aone.uk.com','','','','','','','','','','','','N','Y','Y','Y','Y','Y','Y','Y','Y','N','Y','Y','Y','','');*

1. Tidy up imported data

update bulk\_user\_creation set buc\_email\_address = lower(buc\_email\_address)

, buc\_name = initcap(buc\_name);

1. Set first attempt at username and initials. These will be altered during user creation process if they already exist for someone else.

update bulk\_user\_creation

set buc\_username = upper('A'||replace(substr(buc\_email\_address,instr(buc\_email\_address,'@')+1,4),'.')||lpad(buc\_au1,2,'0')||substr(buc\_name,1,1)||substr(buc\_name,instr(buc\_name,' ')+1,1))

,buc\_initials=upper(substr(buc\_name,1,1)||substr(buc\_name,instr(buc\_name,' ')+1,2))

where lower(buc\_email\_address) not like '%highwaysengland%';

update bulk\_user\_creation

set buc\_username = upper(substr(buc\_name,instr(buc\_name,' ')+1,5)||substr(buc\_name,1,1))

, buc\_initials=upper(substr(buc\_name,1,1)||substr(buc\_name,instr(buc\_name,' ')+1,2))

where lower(buc\_email\_address) like '%highwaysengland%';

1. Re-enable PK constraint

CREATE UNIQUE INDEX BULK\_USER\_CREATION\_PK

ON BULK\_USER\_CREATION (BUC\_NAME, BUC\_USERNAME);

ALTER TABLE BULK\_USER\_CREATION ADD (

CONSTRAINT BULK\_USER\_CREATION\_PK

PRIMARY KEY

(BUC\_NAME, BUC\_USERNAME)

USING INDEX BULK\_USER\_CREATION\_PK

ENABLE VALIDATE);

1. Use this script to check for names that look similar in existing users. If it looks like they’re the same person in the same area, run the update command in the final column

SELECT hus\_name,

NMU.NMU\_EMAIL\_ADDRESS,

nau\_unit\_code,

buc\_name,

buc\_email\_address,

buc\_au1,

hus\_username,

hus\_initials,

'update bulk\_user\_creation set buc\_actual\_username = '''

|| hus\_username

|| ''', buc\_actual\_initials = '''

|| hus\_initials

|| ''', buc\_error = ''Already Exists'' where buc\_name = '''

|| buc\_name

|| ''' and buc\_username = '''

|| buc\_username

|| ''';'

update\_command

FROM nm\_mail\_users nmu,

nm\_admin\_units,

hig\_users,

bulk\_user\_creation

WHERE NMU.NMU\_HUS\_USER\_ID = hus\_user\_id

AND nau\_admin\_unit = hus\_admin\_Unit

AND LOWER (hus\_name) LIKE '%' || LOWER (buc\_name) || '%';

1. Create package by running generate\_hestrusers.pkh and generate\_hestrusers.pkb
2. Execute this script to create the users:

begin

generate\_hestrusers.create\_users;

end;

/

1. Review the bulk\_user\_creation table for any error records and sort them out manually. Most will be existing users or clashes where user’s email address has changed but the name is the same.
   1. unique constraint error on NMU\_UK or error 'email already exists' indicate user already in the system. For any that already exist:
      1. go into Exor and add LB\_USER role to existing user.
      2. If a second user was created for them using the current buc\_actual\_username, delete that record using

begin

generate\_hestrusers.drop\_user('&new\_username');

end;

/

* + 1. then update the bulk user creation table to set the buc\_actual\_username and buc\_actual\_initials to what they are in the users form and commit changes.

update bulk\_user\_creation

set buc\_error = 'Already Exists' *-- so that eB spreadsheet generation will choose update mode rather than create*

, buc\_actual\_username = '&current\_username'

, buc\_actual\_initials = '&current\_initials'

where buc\_name = '&name';

commit;

* 1. for any other errors, investigate individually and amend data in the bulk\_user\_creation table if appropriate. If the user will need resubmitting after changes clear out buc\_actual\_username, buc\_actual\_initials and buc\_error using the following, then re-run create user process (it only picks up records where buc\_actual\_username is null so is safe to re-run).

update bulk\_user\_creation

set buc\_error = null

, buc\_actual\_username = null

, buc\_actual\_initials = null

where buc\_name = '&name';

1. Migrate the successful users to SSO by running the migrate\_buc\_to\_sso.sql script. When prompted for midtier user enter IMS.
2. Re-insert any removed apostrophes manually through the users form.
3. Generate rows for Persons sheet of provisioning spreadsheet for eB. Split the records into batches of 20 or so between multiple spreadsheets otherwise the loads will never complete.

SELECT 'P001-TMP-01',

buc\_actual\_username,

SUBSTR (buc\_name, INSTR (buc\_name, ' ') + 1),

buc\_actual\_initials,

SUBSTR (buc\_name, 1, INSTR (buc\_name, ' ') - 1),

buc\_actual\_username,

'',

'',

'',

'',

'welcome' || LOWER (buc\_actual\_initials),

'',

'A',

'',

buc\_email\_address,

DECODE (buc\_error, 'Already Exists', 'UPDATE', 'CREATE'),

'A'

FROM bulk\_user\_creation

WHERE buc\_actual\_username IS NOT NULL

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

ORDER BY buc\_actual\_username;

1. Generate rows for Skills sheet of loading spreadsheet for eB, all ordered by username to help with splitting out records later

SELECT DISTINCT ber\_eb\_role, buc\_actual\_username

FROM (SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'NSP Administrator'

AND buc\_henspad = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'NSP Authoriser'

AND buc\_henspau = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'NSP Owner'

AND buc\_henspo = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Asbestos Appraisals '

AND buc\_spsaau = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Central Admin'

AND buc\_hesca = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Creator'

AND buc\_hesc = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Engineer'

AND buc\_spse = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Insp Authoriser'

AND buc\_spsia = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Inspection Manager'

AND buc\_spsim = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Inspector'

AND buc\_spsi = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Inventory Editor'

AND buc\_hesie = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Load Management'

AND buc\_spslm = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Project Creator'

AND buc\_spspc = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Project Manager'

AND buc\_spspm = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Read Only'

AND buc\_hesro = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Read Only - 3rd par'

AND buc\_tposro = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Routine Maintenance '

AND buc\_spsrmu = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Scour Activities'

AND buc\_spssau = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Super User'

AND buc\_hesu = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Read Only'

AND buc\_spsro = 'Y'

UNION ALL

SELECT ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles

WHERE ber\_sr = 'Skill-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND ber\_req\_role = 'Structures Inventory Editor'

AND buc\_spsie = 'Y') b1

ORDER BY 2, 1;

1. Generate rows for role-persons sheet of eB loader spreadsheet (ordered by username to help with splitting out).

SELECT DISTINCT b1.ber\_scope, b1.ber\_eb\_role, b1.buc\_actual\_username

FROM (SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'NSP Administrator'

AND buc\_henspad = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'NSP Authoriser'

AND buc\_henspau = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'NSP Owner'

AND buc\_henspo = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Asbestos Appraisals '

AND buc\_spsaau = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Central Admin'

AND buc\_hesca = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Creator'

AND buc\_hesc = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Engineer'

AND buc\_spse = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Insp Authoriser'

AND buc\_spsia = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Inspection Manager'

AND buc\_spsim = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Inspector'

AND buc\_spsi = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Inventory Editor'

AND buc\_hesie = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Load Management'

AND buc\_spslm = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Project Creator'

AND buc\_spspc = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Project Manager'

AND buc\_spspm = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Read Only'

AND buc\_hesro = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Read Only - 3rd par'

AND buc\_tposro = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Routine Maintenance '

AND buc\_spsrmu = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Scour Activities'

AND buc\_spssau = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Super User'

AND buc\_hesu = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Read Only'

AND buc\_spsro = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Inventory Editor'

AND buc\_spsie = 'Y') b1

ORDER BY 3, 1, 2;

1. Run this to find the max number of roles for an individual.

SELECT b1.buc\_actual\_username, COUNT (\*)

FROM (SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'NSP Administrator'

AND buc\_henspad = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'NSP Authoriser'

AND buc\_henspau = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'NSP Owner'

AND buc\_henspo = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Asbestos Appraisals '

AND buc\_spsaau = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Central Admin'

AND buc\_hesca = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Creator'

AND buc\_hesc = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Engineer'

AND buc\_spse = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Insp Authoriser'

AND buc\_spsia = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Inspection Manager'

AND buc\_spsim = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Inspector'

AND buc\_spsi = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Inventory Editor'

AND buc\_hesie = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Load Management'

AND buc\_spslm = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Project Creator'

AND buc\_spspc = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Project Manager'

AND buc\_spspm = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Read Only'

AND buc\_hesro = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Read Only - 3rd par'

AND buc\_tposro = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Routine Maintenance '

AND buc\_spsrmu = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Scour Activities'

AND buc\_spssau = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Super User'

AND buc\_hesu = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Read Only'

AND buc\_spsro = 'Y'

UNION ALL

SELECT ber\_scope, ber\_eb\_role, buc\_actual\_username

FROM bulk\_user\_creation, buc\_eb\_roles, buc\_area\_scope\_map

WHERE ber\_sr = 'Role-Persons'

AND (buc\_error IS NULL OR buc\_error = 'Already Exists')

AND buc\_actual\_username IS NOT NULL

AND (ber\_scope = 'Global' OR ber\_scope = bas\_scope)

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND ber\_req\_role = 'Structures Inventory Editor'

AND buc\_spsie = 'Y') b1

GROUP BY buc\_actual\_username

ORDER BY COUNT (\*) DESC

1. Run scripts to update default scopes etc. If max from step 18 was more than 2000 change the value below. If only a couple are over 2000 do them separately.

INSERT INTO eb.settings (setting\_id, object\_id, VALUE)

(SELECT esd.setting\_id, ep.person\_id, '2000'

FROM eb.setting\_defs esd, eb.persons ep, bulk\_user\_creation

WHERE esd.code = 'TreePageSize'

AND esd.object\_type = 4

AND buc\_error IS NULL

AND ep.person\_code = buc\_actual\_username);

COMMIT;

INSERT INTO eb.settings (setting\_id, object\_id, VALUE)

(SELECT esd.setting\_id, ep.person\_id, '2000'

FROM eb.setting\_defs esd, eb.persons ep, bulk\_user\_creation

WHERE esd.code = 'MaxRowsToReturn'

AND esd.object\_type = 4

AND buc\_error IS NULL

AND ep.person\_code = buc\_actual\_username);

COMMIT;

INSERT INTO eb.settings (setting\_id, object\_id, VALUE)

( SELECT esd.setting\_id,

ep.person\_id,

LISTAGG (scope\_id, ',') WITHIN GROUP (ORDER BY name)

FROM eb.setting\_defs esd,

bulk\_user\_creation,

eb.scopes,

buc\_area\_scope\_map,

eb.persons ep

WHERE esd.code = 'ActivatedScopes'

AND esd.object\_type = 4

AND name = bas\_scope

AND buc\_error IS NULL

AND ( bas\_uau = buc\_au1

OR bas\_uau = buc\_au2

OR bas\_uau = buc\_au3

OR bas\_uau = buc\_au4)

AND EP.PERSON\_CODE = buc\_actual\_username

GROUP BY esd.setting\_id, ep.person\_id);

COMMIT;

INSERT INTO eb.settings (setting\_id, object\_id, VALUE)

(SELECT esd.setting\_id, ep.person\_id, TO\_CHAR (scope\_id)

FROM eb.setting\_defs esd,

bulk\_user\_creation,

eb.scopes,

eb.persons ep,

buc\_area\_scope\_map

WHERE esd.code = 'DefaultScope'

AND esd.object\_type = 4

AND name = bas\_scope

AND bas\_uau = buc\_au1

AND ep.person\_code = buc\_actual\_username

AND buc\_error IS NULL);

COMMIT;

1. Log into eB and for each one set password.

## Elements of the Process

### bulk\_user\_creation.sql

The table bulk\_user\_creation is created using bulk\_user\_creation.sql and is used to store the user data from training’s spreadsheet.

|  |  |  |
| --- | --- | --- |
| Column Name | Data Type | Comments |
| BUC\_NAME | VARCHAR2(30) | Populated from spreadsheet. User’s name. Filter out any apostrophes. |
| BUC\_INITIALS | VARCHAR2(3) | Suggested initials for user |
| BUC\_EMAIL\_ADDRESS | VARCHAR2(255) | Populated from spreadsheet. |
| BUC\_USERNAME | VARCHAR2(30) | Suggested username for user |
| BUC\_AU1 | VARCHAR2(10) | Populated from spreadsheet, first admin unit listed |
| BUC\_AU2 | VARCHAR2(10) | Populated from spreadsheet, second admin unit listed |
| BUC\_AU3 | VARCHAR2(10) | Populated from spreadsheet, third admin unit listed |
| BUC\_AU4 | VARCHAR2(10) | Populated from spreadsheet, fourth admin unit listed |
| BUC\_TRAIN\_DATE | DATE | Populated from spreadsheet. If blank then defaults to sysdate |
| BUC\_ACTUAL\_USERNAME | VARCHAR2(30) | Created during process, can be the same as suggested if there isn’t a clash otherwise suitable alternative used |
| BUC\_ACTUAL\_INITIALS | VARCHAR2(3) | Created during process, can be the same as suggested if there isn’t a clash otherwise suitable alternative used |
| BUC\_ERROR | VARCHAR2(1000) | Only populated if an error occurs during the process. |

### Str\_user\_data.sql

Insert statements generated from training’s spreadsheet. Populates bulk\_user\_creation with the basic data needed to create the users. I’ve already worked through the current spreadsheet removing apostrophes and writing up suggested usernames and initials to use as a test exercise. Once the spreadsheet is finalised I will complete script str\_user\_data.sql.

### Generate\_hestrusers package

The package containing the code to create the users. Assigns admin units, roles and user options.

If the suggested username from the spreadsheet is already in use, it adds a number to the end (up to 99) until a free username is found.

Similarly if the suggested initials are already in use, it uses the first 2 characters plus a digit, or if they’re all in use too, the first character plus 2 digits until it finds a value not already in use.

Errors should all be trapped and written to the buc\_error column of the table rather than causing the procedure to stop so that it attempts to process all users.

### Migrate\_buc\_to\_sso.sql

Adapted version of the standard SSO migration script to migrate any successfully created users to be SSO/IMS users. It will only pick up those with no error message.