UCS Director
Sample Workflow – Password Validation

Background
When prompting users to create/change a password, there may be rules for password complexity that must be enforced.

Unit Tests
The task has a unit test that can be run to validate functions. The expected results are set in the workflow so they will fail if any of the tests yield unexpected results.

Tasks
Custom Task – Check Password
> **Function**
>> Validate a password meets complexity requirements.
>
> **Description**
>> Performs checks for Upper/Lower, Minimum Number of Characters, Special Characters or a combination thereof verifying the user entered the same password twice.
>>
>> Check box items select if the password must have at least one:
>>> Number
>>> Upper Case Character
>>> Lower Case Character
>>> Special Character
>>
>> Specify how many of the above checks must be passed.
>>
>> The minimum number of characters in the password must be specified.
>>
>> If any tests fail, the task exits with fail.
>>
>> (Optional) A "DebugFlag" can be set in the task to display additional troubleshooting information. **NOTE** – This option will save the user's password in the log in clear text.
>
> **Category**
>> User and Groups Tasks
>
> **Inputs**

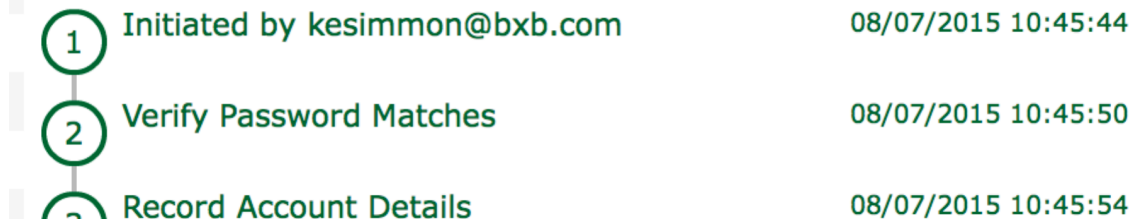| Password	Masked Password (up to 64 characters)
Confirm Password	Masked Password to compare with original
Min Char Types	Specifies how many of the four "Has XXX" categories below must pass to accept the new password

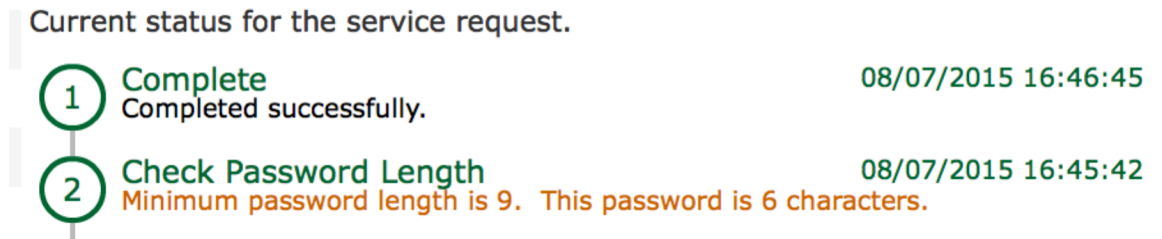|	
Has Number	The password has at least one digit 0-9
Has Lower	The password has at lease one lower case character
Has Upper	The password has at least one UPPER case character
Has Special	The password has at least one special character [!@#$%^-+]
DebugFlag	Internal administrator option to enable additional debugging in the workflow log

Outputs

Password Result	Results of the password check

Examples

Positive password match:

1	Initiated by kesimmon@bxb.com	08/07/2015 10:45:44
2	Verify Password Matches	08/07/2015 10:45:50
3	Record Account Details	08/07/2015 10:45:54

Password complexity not met:

Current status for the service request.

1	Complete Completed successfully.	08/07/2015 16:46:45
2	Check Password Length Minimum password length is 9. This password is 6 characters.	08/07/2015 16:45:42

Last Validated

August 7, 2015
UCS Director 5.3.1.1