

IkeaDocuScan V3 - Business Test Plan: SUPERUSER ROLE

Version: 1.0 **Date:** 2025-11-14 **Test Role:** SuperUser (Administrator)

SuperUser Role Overview

Capabilities

The **SuperUser** role has **full administrative** access:

☐ **Includes All Publisher & Reader Capabilities** ☐ **Plus:** - Delete documents and scanned files - Manage user permissions (create, edit, delete) - Create/edit/delete all reference data: - Countries - Currencies - Document Types - Document Names - Counter Parties - Access system configuration (SMTP, email templates, recipients) - View audit trail - See ALL documents (no permission filtering)

Critical Test Scenarios

User Permission Management

TC-S-001: Create New User with Permissions

Objective: Verify SuperUser can create users and assign permissions

Test Steps: 1. Navigate to “User Permissions” 2. Click “Add User” 3. Enter Account Name: DOMAIN\new_user 4. Set IsSuperUser: false 5. Add permissions: - Document Type: Invoice - Country: Sweden - Counter Party: ACME 6. Save

Expected Result: - User created in DocuScanUser table - Permissions created in UserPermissions table - User can now log in and see only permitted documents - Audit trail entry created

Actual Result: [To be filled]

Status: ☐

TC-S-002: Grant SuperUser Privileges

Objective: Verify granting SuperUser flag

Test Steps: 1. Edit existing user 2. Check “IsSuperUser” checkbox 3. Save

Expected Result: - User’s IsSuperUser flag set to true - User now has full access (ignores UserPermissions) - Audit trail records this critical change

Actual Result: [To be filled]

Status: ☐

Critical: This grants full system access

TC-S-003: Delete User with Existing Permissions

Objective: Verify user deletion handles orphaned permissions

Pre-conditions: - User exists with multiple UserPermission records

Test Steps: 1. Delete user

Expected Result: - User deleted from DocuScanUser - Associated UserPermissions automatically deleted (CASCADE) OR - Error: "Cannot delete - has existing permissions. Remove permissions first" - No orphaned permission records

Actual Result: [To be filled]

Status: ☐

TC-S-004: User with Conflicting Permissions

Objective: Test adding contradictory permissions

Test Steps: 1. Edit user 2. Add permission: Type=Invoice, Country=(NULL), Party=(NULL) [All invoices] 3. Add permission: Type=(NULL), Country=Germany, Party=(NULL) [All docs in Germany] 4. Save

Expected Result: - Both permissions saved - User sees UNION of both (invoices anywhere + all Germany docs) - No conflicts or errors

Actual Result: [To be filled]

Status: ☐

Reference Data Management

TC-S-010: Create New Country

Objective: Verify creating reference data

Test Steps: 1. Navigate to "Country" (Admin menu) 2. Click "Add Country" 3. Enter Code: NO 4. Enter Name: Norway 5. Save

Expected Result: - Country created - Available in dropdowns throughout app - Audit trail entry created

Actual Result: [To be filled]

Status: ☐

TC-S-011: Delete Country - Not In Use

Objective: Delete country with no references

Pre-conditions: - Country "TestCountry" exists, not used by any documents/permissions

Test Steps: 1. Delete "TestCountry"

Expected Result: - Country deleted successfully - Removed from dropdowns - Audit trail entry

Actual Result: [To be filled]

Status: ☐

TC-S-012: Delete Country - In Use (Should Fail)

Objective: Verify deletion blocked if country is referenced

Pre-conditions: - Country “Sweden” used by: - 50 documents - 10 user permissions - 5 counter parties

Test Steps: 1. Attempt to delete “Sweden”

Expected Result: - Error: “Cannot delete - in use by X documents, Y permissions, Z counter parties” - Deletion blocked - Foreign key constraint prevents deletion

Actual Result: [To be filled]

Status: ☐

Critical: Prevents data corruption

TC-S-013: Edit Country - Change Code

Objective: Verify impact of changing country code (PK)

Pre-conditions: - Country “SE” (Sweden) used by documents

Test Steps: 1. Edit country “SE” 2. Change code to “SW” 3. Save

Expected Result: - Option A: Code is immutable (cannot change PK) - Option B: CASCADE update changes all references - No broken references

Actual Result: [To be filled]

Status: ☐

Critical: Referential integrity

TC-S-014: Duplicate Reference Data

Objective: Verify duplicate prevention

Pre-conditions: - Currency “USD” exists

Test Steps: 1. Attempt to create another currency with code “USD”

Expected Result: - Validation error: “Currency code already exists” - Duplicate not created

Actual Result: [To be filled]

Status: ☐

TC-S-015: Create Counter Party with Special Characters

Objective: Verify support for special characters in names

Test Steps: 1. Create Counter Party 2. Name: O'Brien & Associates (ö&ä) 3. Save

Expected Result: - Saved correctly - Displays correctly in dropdowns and search - No encoding issues

Actual Result: [To be filled]

Status: ☐

Document Type Field Configuration

TC-S-020: Configure Document Type - Required Fields

Objective: Verify field configuration affects registration UI

Test Steps: 1. Edit Document Type “Invoice” 2. Set field configurations: - Amount: Required - Currency: Required - ActionDate: Optional 3. Save 4. As Publisher, register new Invoice document

Expected Result: - Amount and Currency show red asterisk (*) - Cannot save without Amount and Currency - ActionDate is optional (can be empty)

Actual Result: [To be filled]

Status: ☐

TC-S-021: Configure Document Type - Field Visibility

Objective: Verify hiding fields for certain document types

Test Steps: 1. Edit Document Type “Contract” 2. Disable “Amount” field 3. Save 4. Register new Contract

Expected Result: - Amount field not visible for Contracts - Other document types still show Amount - No validation errors

Actual Result: [To be filled]

Status: ☐

Configuration Management

TC-S-030: Update SMTP Configuration

Objective: Verify SMTP configuration with auto-test

Test Steps: 1. Navigate to “Configuration” → “SMTP Settings” 2. Update: - Smtphost: smtp.test.com - Smtpport: 587 - Username: test@test.com - Password: password 3. Click “Save” (triggers SMTP test)

Expected Result: - System tests SMTP connection before saving - If test succeeds: Settings saved - If test fails: Error message, settings NOT saved (rollback) - Audit trail entry

Actual Result: [To be filled]

Status: ☐

Critical: Prevents saving broken SMTP config

TC-S-031: Update Email Template

Objective: Verify email template customization

Test Steps: 1. Navigate to “Configuration” → “Email Templates” 2. Edit “ActionReminderDaily” template 3. Modify HTML body (change header color) 4. Add placeholder: {{TestPlaceholder}} 5. Save

Expected Result: - Template saved - System validates HTML structure - Warning if placeholder undefined - Cached template cleared - Next email uses new template

Actual Result: [To be filled]

Status: ☐

TC-S-032: Invalid Email Template

Objective: Verify validation of malformed templates

Test Steps: 1. Edit email template 2. Enter HTML with mismatched braces: `{{Count}}` 3. Or invalid HTML: `<div>No closing tag` 4. Save

Expected Result: - Validation warning or error - Option to save anyway or fix - No system crash when rendering

Actual Result: [To be filled]

Status: ☐

TC-S-033: Update Email Recipients

Objective: Verify email recipient group management

Test Steps: 1. Navigate to “Configuration” → “Email Recipients” 2. Find “ActionReminderRecipients” group 3. Add email: `new@company.com` 4. Remove email: `old@company.com` 5. Save

Expected Result: - Recipients updated - Cache cleared - Next action reminder email goes to new list - Audit trail entry

Actual Result: [To be filled]

Status: ☐

Delete Operations

TC-S-040: Delete Document

Objective: Verify document deletion

Pre-conditions: - Document exists: Barcode 12345678

Test Steps: 1. Search for document 2. Open document details 3. Click “Delete” button 4. Confirm deletion

Expected Result: - Confirmation prompt: “Are you sure?” - Document deleted from database - Attached PDF deleted from file system - Audit trail entry: “Deleted document 12345678” - Real-time update sent to other users - Document no longer appears in searches

Actual Result: [To be filled]

Status: ☐

Critical: Permanent data loss

TC-S-041: Delete Document - Cancel

Objective: Verify canceling deletion doesn’t delete

Test Steps: 1. Attempt to delete document 2. Click “Cancel” in confirmation dialog

Expected Result: - Document NOT deleted - Still exists in database - No audit entry

Actual Result: [To be filled]

Status: ☐

TC-S-042: Delete Scanned File Separately

Objective: Verify deleting PDF without deleting document record

Pre-conditions: - Document with attached PDF

Test Steps: 1. View document with PDF 2. Click “Delete File” (if available) OR 3. Use scanned file management page

Expected Result: - PDF deleted from file system - Document record remains (without file link) - Audit trail entry - Can re-attach different PDF later

Actual Result: [To be filled]

Status: ☐

Audit Trail

TC-S-050: View Audit Trail

Objective: Verify SuperUser can view all audit entries

Test Steps: 1. Navigate to “Audit Trail” 2. View list of all changes

Expected Result: - All audit entries visible - Shows: Who, When, What changed, Old/New values - Can filter by user, date range, entity type - Can export to Excel

Actual Result: [To be filled]

Status: ☐

TC-S-051: Audit Trail Completeness

Objective: Verify all data modifications are audited

Test Steps: 1. As SuperUser, perform: - Create document - Edit document - Delete document - Create counter party - Edit user permissions - Update configuration 2. Check audit trail

Expected Result: - All 6 operations have audit entries - Each entry shows old and new values - No gaps in audit trail

Actual Result: [To be filled]

Status: ☐

Critical: Compliance requirement

No Permission Filtering

TC-S-060: SuperUser Sees All Documents

Objective: Verify SuperUser bypasses permission filtering

Pre-conditions: - Database has: - 100 documents total - SuperUser has NO UserPermission records - OR SuperUser has limited permissions

Test Steps: 1. Login as SuperUser 2. Search all documents

Expected Result: - SuperUser sees ALL 100 documents - No filtering by UserPermissions
- Can view/edit any document regardless of type/country/party

Actual Result: [To be filled]

Status: ☐

Critical: SuperUser must have full access

Edge Cases & Data Corruption

TC-S-070: Circular Reference Prevention

Objective: Verify prevention of circular dependencies

Note: May not be applicable depending on schema

Test Steps: 1. If ThirdParty can reference CounterParty: - Create CP1 with ThirdParty = CP2 - Create CP2 with ThirdParty = CP1

Expected Result: - Either: Circular reference allowed (not a problem) - Or: Validation prevents saving circular reference

Actual Result: [To be filled]

Status: ☐

TC-S-071: Delete While Document is Being Edited

Objective: Test concurrent delete/edit scenario

Pre-conditions: - Two SuperUsers logged in

Test Steps: 1. SuperUser1: Opens document for edit 2. SuperUser2: Deletes same document 3. SuperUser1: Attempts to save changes

Expected Result: - Error: "Document no longer exists" - Save fails gracefully - No database error

Actual Result: [To be filled]

Status: ☐

Critical: Concurrent operation safety

TC-S-072: Mass Delete Attempt

Objective: Test deleting many documents quickly

Test Steps: 1. Select 50 documents 2. Click "Delete Selected" (if available) 3. Confirm

Expected Result: - All 50 documents deleted - All 50 PDF files deleted - 50 audit trail entries created - No database timeout - Transaction succeeds or rolls back completely

Actual Result: [To be filled]

Status: ☐

TC-S-073: Configuration Rollback on SMTP Failure

Objective: Verify automatic rollback if SMTP test fails

Test Steps: 1. Note current SMTP settings (working) 2. Update to invalid settings: - Smtphost: invalid.smtp.server - Port: 999 3. Click Save (triggers test)

Expected Result: - SMTP test fails - Error: “SMTP test failed - settings not saved” - Database rolled back to previous settings - Current settings unchanged - Audit trail shows attempted change with “Rolled back” note

Actual Result: [To be filled]

Status: ☐

Critical: Prevents breaking email functionality

TC-S-074: Large Configuration Value

Objective: Test storing very large email template

Test Steps: 1. Edit email template 2. Paste 100KB HTML template 3. Save

Expected Result: - Template saves (nvarchar(MAX) field) - No truncation - Template renders correctly

Actual Result: [To be filled]

Status: ☐

Test Results Summary

Category	Total	Pass	Fail	Blocked	Not Run
User Permissions	4				
Reference Data	6				
Document Type Config	2				
Configuration	4				
Delete Operations	3				
Audit Trail	2				
No Filtering	1				
Edge Cases	5				
TOTAL	27				

Plus: All Publisher tests (29) and Reader tests (32) should also pass

Sign-Off:

Tested By: _____ **Date:** _____

Next: SECURITY_TEST_PLAN.md