

# IkeaDocuScan V3 - Deployment Checklist

## Quick Reference Guide for IKEA Deployment

Framework: .NET 10.0 Organization: IKEA (ikea.com)

Print this checklist and check off items as you complete them during deployment.

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## Pre-Deployment (Day Before)

- Backup production database
  - Backup current appsettings.Local.json
  - Backup current secrets.encrypted.json
  - Document current version: \_\_\_\_\_
  - Verify .NET 10.0 Runtime installed on server
  - Verify ASP.NET Core Hosting Bundle 10.0 installed
  - Schedule maintenance window
  - Notify users of deployment
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## Version Management

- Open IkeaDocuScan-Web.csproj
  - Update <VersionPrefix> to: \_\_\_\_\_
  - Update <VersionSuffix> to: \_\_\_\_\_
  - Save file
  - Rebuild solution successfully
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## Publishing

- Clean solution
  - Rebuild solution (no errors)
  - Right-click IkeaDocuScan-Web → Publish
  - Select/Create publish profile
  - Verify settings: Release, net10.0, Framework-dependent
  - Click Publish
  - Verify publish succeeded
  - Note publish path: \_\_\_\_\_
  - Copy DbMigration-scripts to publish folder
  - Copy ConfigEncryptionTool to Tools folder
  - Create deployment ZIP file
  - Transfer ZIP to server
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## Database

- Production database backup restored
- OR new database created: IkeaDocuScan
- Migration scripts executed in order (ALL 8 scripts):
  - 00\_Create\_Database\_And\_User.sql
  - 00A\_Restore\_And\_Migrate\_Schema.sql

- 02\_Migrate\_FK\_Data.sql
  - 03\_Finalize\_FK\_Constraints.sql
  - 04\_Create\_DocuScanUser\_Table.sql
  - 05\_Migrate\_Users\_To\_DocuScanUser.sql
  - 06\_Add\_FK\_Constraint\_UserPermissions.sql
  - 07\_Remove\_AccountName\_From\_UserPermissions.sql
  - Verify docuscanch login exists
  - Verify docuscanch user has database access
  - Connection tested with docuscanch user
  - Database configuration verified (TBD)
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## File Deployment

- Stop IIS Application Pool
  - Extract ZIP to: C:\inetpub\wwwroot\IkeaDocuScan
  - Verify key files present:
    - IkeaDocuScan-Web.dll
    - web.config
    - wwwroot\_framework
    - DbMigration-scripts\*.sql
    - Tools
  - Create logs directory
  - Set file permissions
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## IIS Configuration

### Application Pool

- Create Application Pool: IkeaDocuScan
- .NET CLR version: No Managed Code
- Managed pipeline mode: Integrated
- Advanced Settings:
  - Identity: ApplicationPoolIdentity (or service account)
  - Idle Time-out: 0
  - Load User Profile: True
  - Start Mode: AlwaysRunning

### Website/Application

- Create website OR application
- Bind to Application Pool: IkeaDocuScan
- Physical path: C:\inetpub\wwwroot\IkeaDocuScan
- HTTPS binding configured
- SSL certificate selected

### Authentication

- Anonymous Authentication: **Disabled**
- Windows Authentication: **Enabled**
- Extended Protection: Accept
- Kernel-mode authentication: Enabled

### WebSocket

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- WebSocket Protocol feature installed
  - Enabled for application
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## Application Configuration

- Run ConfigEncryptionTool as App Pool identity
    - Enter SQL Server name
    - Use SQL auth: docuscanch user
    - Enter docuscanch password
    - Enter ScannedFilesPath
    - Verify encryption test succeeds
    - Copy secrets.encrypted.json to app root
  - Create appsettings.Local.json:
    - IkeaDocuScan → DomainName (ikea.com)
    - IkeaDocuScan → UserEmail LDAP settings
    - IkeaDocuScan → EmailGroups LDAP settings
    - IkeaDocuScan → IKEA AD Groups (3):
      - ADGroupReader
      - ADGroupPublisher
      - ADGroupSuperUser
    - Email → SmtpHost (smtp-gw.ikea.com)
    - Email → ApplicationUrl
    - ExcelExport → ApplicationUrl
  - Verify configuration file permissions
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## File Permissions

- Application directory: Read & Execute for App Pool
  - Logs directory: Modify for App Pool
  - Scanned files path: Read & Execute for App Pool
  - Configuration files: Read for App Pool only
  - Test file access as App Pool identity
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## Windows Authentication

- Verify IKEA AD groups exist:
    - UG-DocScanningReaders-CG@WAL-FIN-CH-GEL
    - UG-DocScanningPublishers-CG@WAL-FIN-CH-GEL
    - UG-DocScanningSuperUsers-CG@WAL-FIN-CH-GEL
  - Verify LDAP connectivity (LDAP://DC=ikea,DC=com)
  - Add initial admin user(s) to SuperUser AD group
  - Database seeding for initial admin (TBD)
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## Post-Deployment Verification

### Application Status

- Application Pool started
- Check stdout logs for startup success
- Check Event Viewer for errors
- Browse to application URL successfully

## Functionality Tests

- Home page loads
- Windows Authentication works automatically
- User sees correct access based on AD group
- Documents → Search works
- View document details
- Access scanned files
- Generate Excel export
- Email notifications work (if enabled)

## Health Checks

- /health returns “Healthy”
- /health/ready returns JSON
- /health/live returns JSON

## Version Verification

- Verify version number: \_\_\_\_\_
  - Check file version of IkeaDocuScan-Web.dll
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## Common Issues Quick Reference

**Pool Stops Immediately:** - Check stdout logs - Verify .NET 10.0 Runtime: `dotnet --list-runtimes`

**Database Connection Fails:** - Verify secrets.encrypted.json exists - Test: `sqlcmd -S SERVER -d IkeaDocuScan -U docuscanch -P [password]` - Verify docuscanch user exists and has access - Re-run ConfigEncryptionTool if password incorrect

**Windows Auth Not Working:** - Disable Anonymous Authentication - Enable Windows Authentication - Check browser Intranet zone settings

**Cannot Access Files:** - Test as App Pool identity: `runas /user:"IIS APPPOOL\IkeaDocuScan" "cmd.exe"` - Verify network share permissions

**SignalR Not Working:** - Install WebSocket Protocol feature - Check ARR proxy settings

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## Rollback (If Needed)

- Stop Application Pool
  - Restore previous files from backup
  - Restore appsettings.Local.json
  - Rollback database (if migrations applied)
  - Start Application Pool
  - Verify functionality
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## Sign-Off

Role	Name	Signature	Date/Time
Deployer			
Technical Lead			
QA/Tester			

**Deployment Notes:**

[Space for notes about any issues, deviations, or special configurations]

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**Next Steps**

- Monitor application logs for 24 hours
  - Review Performance Monitor metrics
  - Schedule smoke testing (see SMOKE\_TEST.md when available)
  - Update documentation with any environment-specific details
  - Notify users deployment is complete
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**Deployment Completed:** \_\_\_\_\_ **Environment:**  Production  Staging   
**UAT Version Deployed:** \_\_\_\_\_