

Session 4.1

Practical use of Kneat to standardize and simplify validation across global MODA-ES deployments

Fokke Zijlstra | Holocene Projects
B.V. (Lonza)



Why MES transformations succeed or fail in execution, not on paper

Practical use of Kneat to standardize and simplify validation across global MODA-ES deployments

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The real test starts when validation begins

- DEV can look stable
- Test scripts can be approved
- Documentation can be complete
- But execution reveals the truth

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Validation does not create problems, it exposes them

- Infrastructure differences
- Timing issues
- Configuration gaps
- Environment-specific behavior

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So, the real question is not: are we documented?

The real question is: are we executable?

- Can we rehearse it?
- Can we trace it?
- Can we recover from failure?
- Can we prove control?

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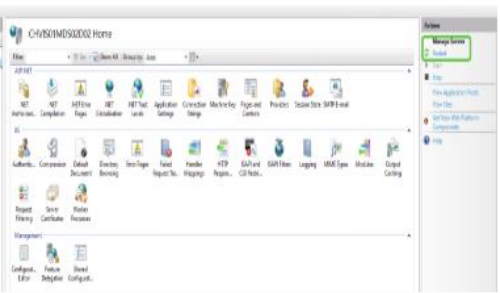
Real Example from Kneat

These instructions do more than control execution

- They train local administrators
- They build technical understanding
- They transfer knowledge to the site
- They improve readiness when issues occur

3 Verify that IIS is running, by opening the internet information Service (IIS) Manager

If restart is not green , click on start



20 Go to IIS and verify / update the Moda App and Workflow Pools created with the install. Ensure that the .Net CLR Version is v4.0 according SCS.

if not the case select the App Pool and click on Basic Settings and update to .Net CLR Version v4.0 /

Verify / Update the Identity for the Application Pool.
It needs to be Local System.

if not select the appropriate application pool and click on advanced settings and set the identity on local system.

Recycle the application pools.

example:

Application Pools

This page lets you view and manage the list of application pools on the server. Application pools are associated with worker processes, cont

Filter: [Go] [Show All] [Group by: No Grouping]

Name	Status	.NET CLR V...	Managed Pool...	Identity	Applications
NET-v4.5	Started	v4.0	Integrated	ApplicationPoolIdentity	0
NET-v4.5 Classic	Started	v4.0	Classic	ApplicationPoolIdentity	0
CHAI_DEVFlowRight	Started	v4.0	Integrated	LocalSystem	1
DefaultAppPool	Started	v4.0	Integrated	ApplicationPoolIdentity	1
Moda_CHAI_DEVAppPool	Started	v4.0	Integrated	LocalSystem	2

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A Real-World Upgrade Scenario

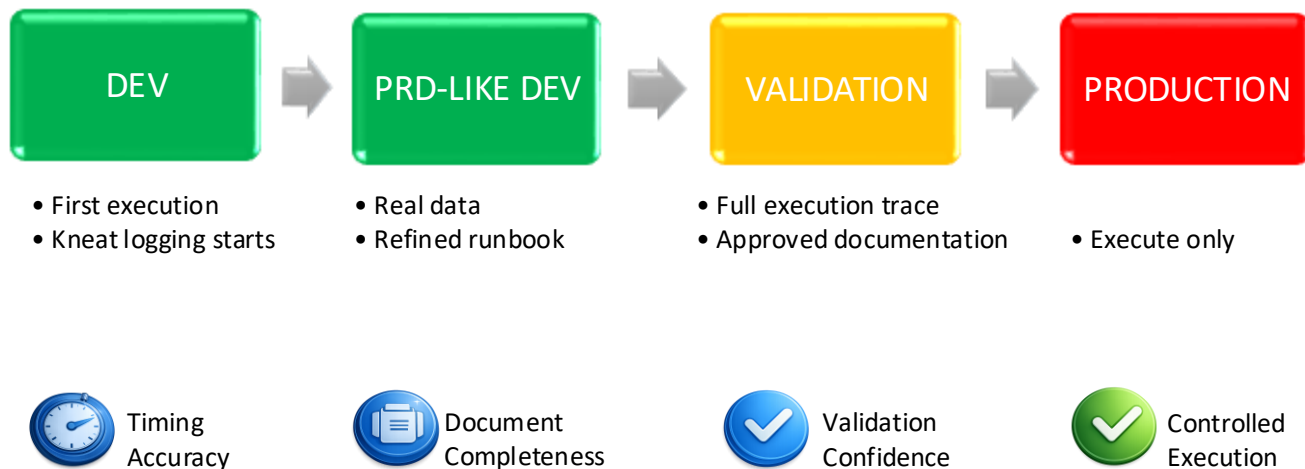
- Major MODA-ES site upgrade
- Large production database
- Production-like rehearsal environments
- Single production downtime window



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Preparation Phase, Engineering a Predictable Production Upgrade



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14:00 Incident

- 14:00
- The installer stopped.

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- Upgrade scripts executed
- 18 completed
- 6 remaining

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One character in a password.

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Password adjusted

Installer executed again

Upgrade completed successfully

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MODA

EBR

LIMS

Key Lesson

Control is not the absence of issues.

Control is knowing how to respond.



What made this controllable

This was not control because nothing went wrong

This was control because we knew how to respond

- We rehearsed the upgrade
- We traced every step
- We understood the dependencies
- We controlled the recovery

Planned Leadtime		
		These tasks can be done before
0:30	SG-TMP-5549	TC - MODA-ES - IP - MODA-ES BASIC SERVER
0:30	SG-TMP-5549	TC - MODA-ES - IP - MODA-ES BASIC SERVER
0:30		Coffee Break Team Geleen
0:30	SG-TMP-5549	TC - MODA-ES - IP - MODA-ES BASIC SERVER
0:30	SG-TMP-5549	TC - MODA-ES - IP - MODA-ES BASIC SERVER
0:30	SG-TMP-5549	TC - MODA-ES - IP - MODA-ES BASIC SERVER
0:30	SG-TMP-5549	TC - MODA-ES - IP - MODA-ES BASIC SERVER
0:15	SG-TMP-5550	TC - MODA-ES - IP - MODA-ES VISUAL STUDIO
0:15	SG-TMP-5550	TC - MODA-ES - IP - MODA-ES VISUAL STUDIO
		Draft Summary report, prepare closure of CO
		Copy all needed software , moda-es , .ne
		Tasks During Shut down
0:15		Shutdown application on both nodes and
3:45		TCS Starts with the Backup of databases
0:45	SG-TMP-9352	TC - MODA-ES - IP - MODA-ES 4.x De-installat
0:45	SG-TMP-9352	TC - MODA-ES - IP - MODA-ES 4.x De-installat
1:00	SG-TMP-5557	TC - MODA-ES - IP - MODA-ES 4.0 De-installat
1:30	SG-TMP-9601	TC - MODA-ES - IP - MODA-ES 4.2 PREREQUIS
1:30	SG-TMP-9601	TC - MODA-ES - IP - MODA-ES 4.2 PREREQUIS
0:30		Coffee Break Team Geleen
2:00	SG-TMP-5552	TC - MODA-ES - IP - CLEAN INSTALLATION OF
2:00	SG-TMP-5552	TC - MODA-ES - IP - CLEAN INSTALLATION OF
0:30		Lunch Break Team Geleen
3:00	SG-TMP-5553	TC - MODA-ES - IP - MODA-ES HOTFIX/MINO
0:30		Hand over to team in Houston

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Because at the end of every validated system, there is a patient who depends on it.

