RELEASE PREVIEW

News from kwsoft® Development

Serie M/ 6.27 (April 2027)

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creating communication.

RELEASE PREVIEW

M/TEXT TONIC

Markus Schmutz
Head of M/TEXT Development

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FEATURE VOTING WINNER

PDF Forms

PDF Form Field Inplace Processing

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PDF Form Field Inplace Processing

01

Use Case

Editable PDF forms (provided externally)

Attached to M/TEXT TONIC documents

Fields filled with document data
(Mapping: Data model node → PDF form field)

M/TEXT TONIC Editor: Manual change of form field values

02

Current Solution

Change assigned data model node using input area or form.io dialog

Unhandy with big forms / many form fields

03

Request

Change data model node directly in assigned PDF form field

Feature Voting Winner (M/TEXT)

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IMPROVEMENT

HTML E-Mails

E-Mail Layouting & Rendering

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POWERED BY MJML

E-Mail Layout

MJML Format

Design of responsive e-mail layout

TONIC layouts: Page, Responsive, **E-Mail**

HTML E-Mail Renderer

MJML Engine

Creation of e-mail client compatible HTML code

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MJML - The Responsive Email F

mjml.io

mjml. Getting started | Try it live | Templates | Resources | Community | API | Documentation

Github

The only framework that makes responsive email *easy*

Download

Documentation



mjml

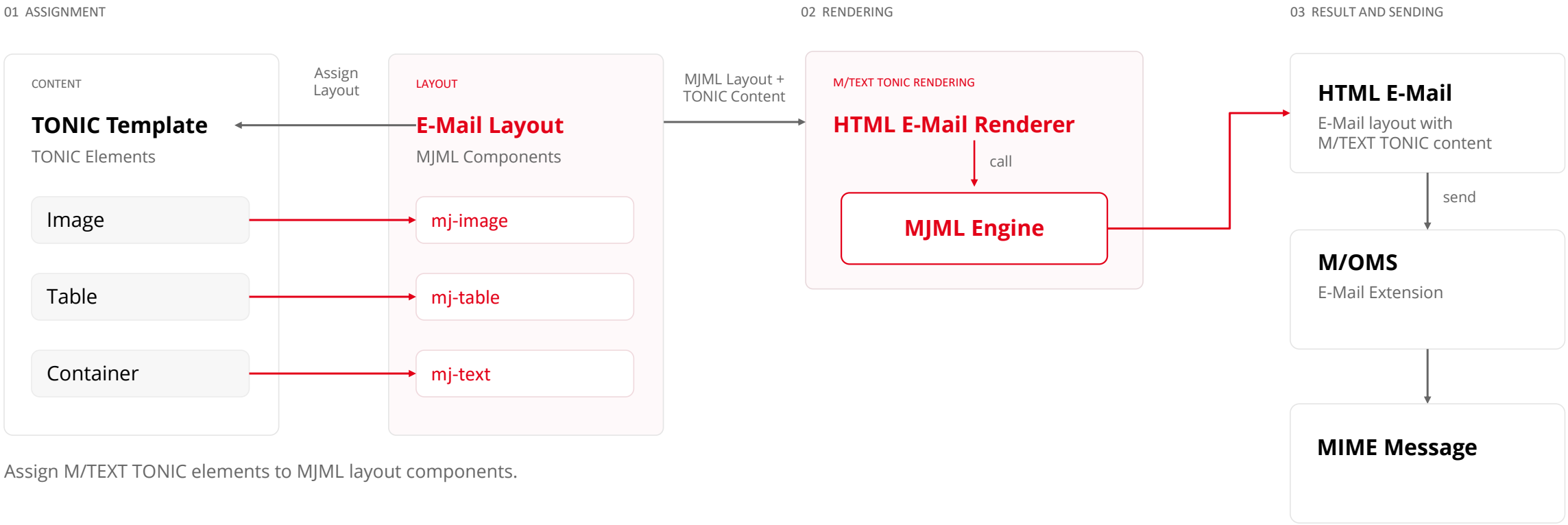
mailjet markup language

sinch mailjet · Email Love · Parcel by customer.io · GrapesJS · SPATIE · Typeform

Write less, save time and code more efficiently

E-Mail Rendering with MJML

The layout is based on MJML, the content is provided by the M/TEXT TONIC template.



Assign M/TEXT TONIC elements to MJML layout components.

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CLARIFICATION

Break Out Session – FreeMarker?!

Older Releases

Scriptable Renderer & FreeMarker Templates

Scripted HTML e-mail creation



6.27

E-Mail Layout & HTML E-Mail Renderer

Automatic HTML e-mail creation based on MJML



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NEW SUBSYSTEM

Web Forms

Web Form Creation and Hosting

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WEB FORMS

Customer Portals vs. Task-Based Self-Service

Two complementary ways to enable digital customer interactions.

Customer Self-Service Portal

DXP / portal platform

Permanent access via customer login
Customers initiate and manage many services

Task-Based Customer Self-Service

Secure-link / workflow-based interaction

Company initiates a specific task
Customer completes it without portal login

TYPICAL TASK-BASED PROCESS

1 Business system

Starts customer request

→

2 E-Mail with secure link

Invites customer to act

→

3 Web form

Review · confirm · upload

→

4 Business system

Receives data and documents

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Your travel insurance - markus | AVB-Anpassung-Reise

localhost:8080/webforms/ui/?id=05e56225-5297-40f9-a032-41147e6e9986

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protecting what matters.



Well insured when travelling

Your travel insurance - please review

Introduction | Personal Information | Contact Information | Policy Terms | Submit

Hello **Jane Doe**,

thank you for taking the time to help us continue to provide you with the best possible insurance cover.

Please review your travel insurance details and the updated policy terms.

Your policies

Travel Baggage, Trip Cancellation and Trip Interruption Insurance

Your policy number

987-654-F3

Cancel | Next

We would be happy to advise you personally.

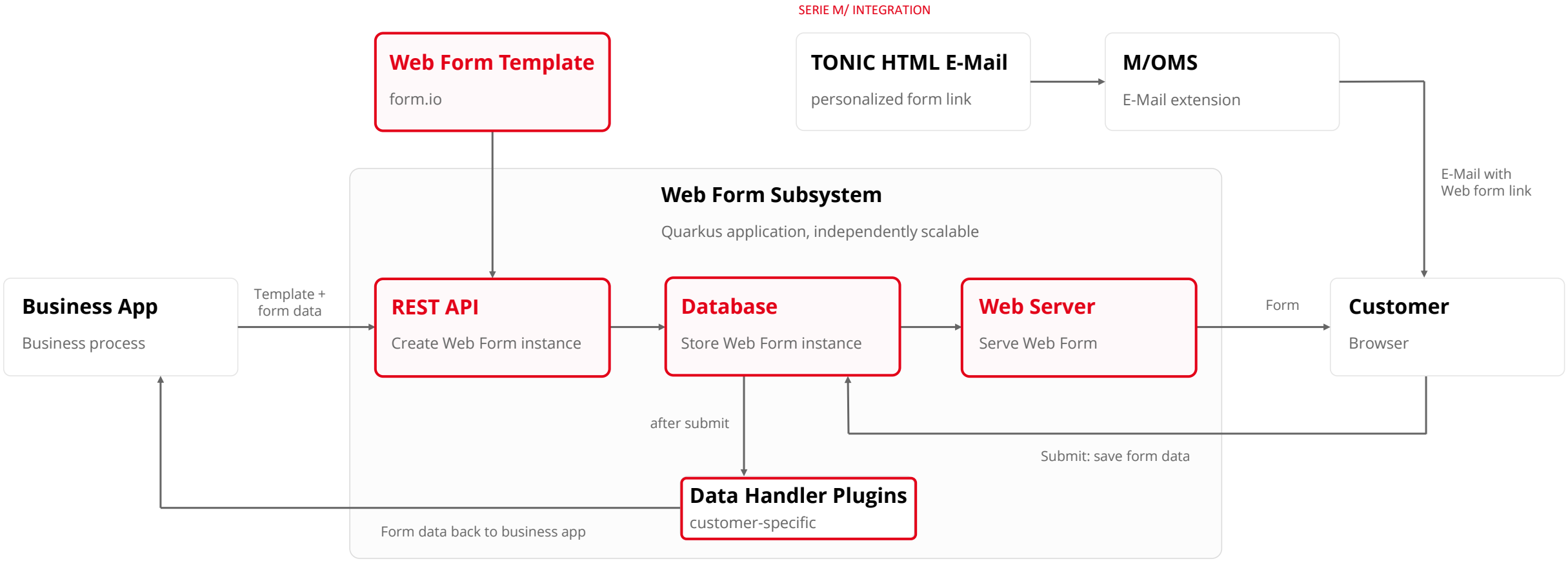
Our customer service team is here to help you.

Get in touch ...

kwinsure · Linnéstraße 1-3 · 79110 Freiburg
Tel.: +49 761 8852 0 · Fax.: +49 761 8852 266 · email: contact@kwsoft.com

Web Forms

Web Form templates and Web Form instance hosting.



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RELEASE PREVIEW

M/Workbench

Jan Schäferjohann
Group Product Manager

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Agentic Content Design: Straight Inside M/Workbench

01 · THE FOUNDATION (AI LAB)

Open Formats Work

Serie M/ resources are open, structured files — ideal for language models.

XML JSON JAVASCRIPT FORM.IO

02 · WHAT WAS MISSING

Direct Integration into M/Workbench

No rigid one-shot scripts outside — seamless collaboration right inside the familiar editor.

03 · THE SOLUTION IN SERIE M/ 6.27

Coding Agents in M/Workbench

A coding agent does more than answer a prompt — it works autonomously in your project:

1. **Read existing workspace & templates**
2. **Create, wire & adapt resources**
3. **Render, test & self-correct errors ↺**

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M/WORKBENCH 6.27 · IN THE PRODUCT

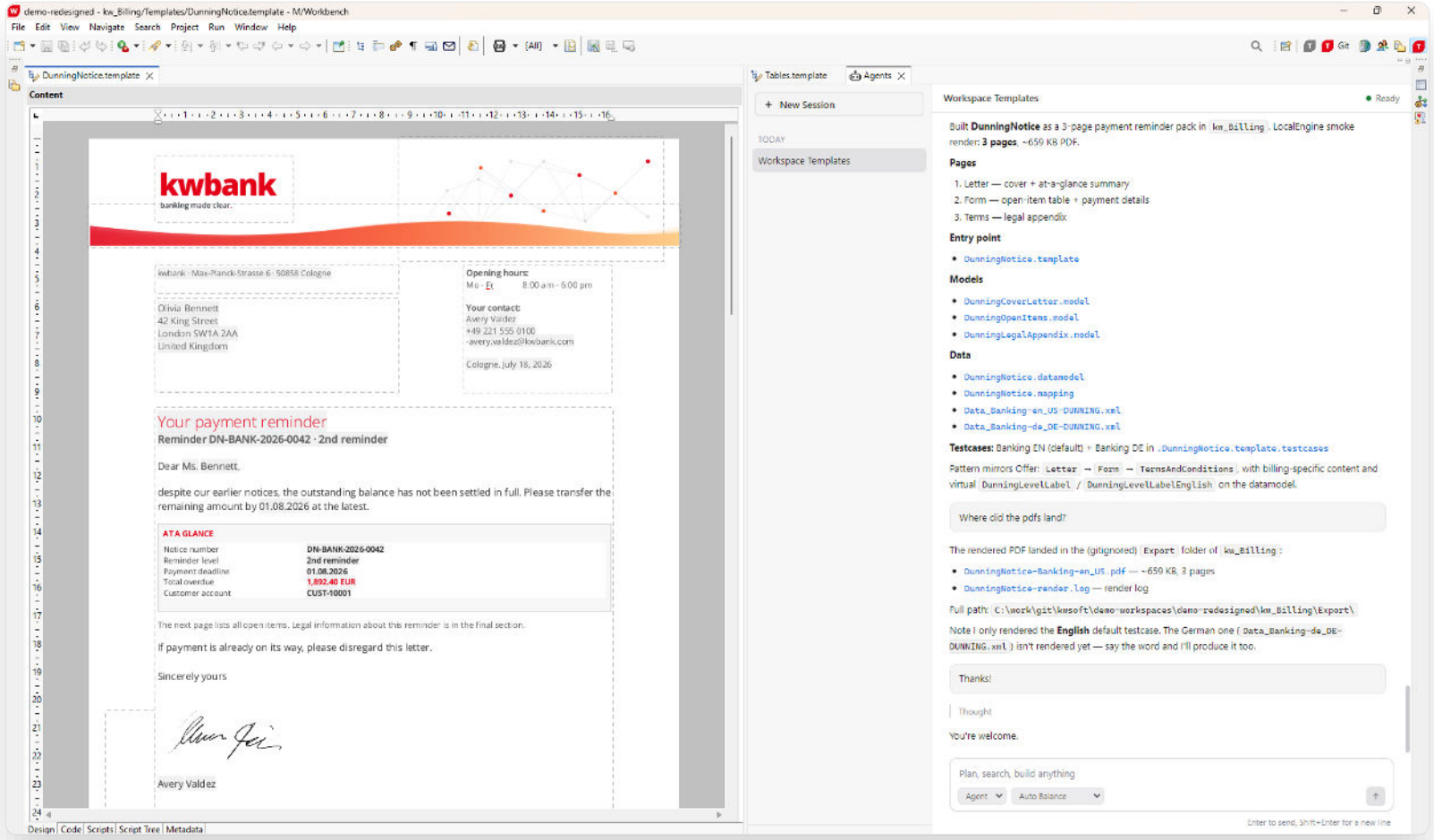
The Agent Inside M/Workbench.

One shared working session — no context switch.

Left: The designer
Project tree and template open and editable as always.

Right: The AI Agents panel
Connected via ACP to your local coding agent and the 6.27 skills.

Direct access
Open created resources and rendered PDFs straight from the chat.



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You Pick the Agent. M/Workbench Speaks ACP.

M/Workbench

THE DESIGN ENVIRONMENT

New Agent Panel right beside the editor you already use.

Works directly on your open workspace.

Provides rendering and verification tools to the agent.

ACP

AGENT CLIENT PROTOCOL

Open standard between development environments and coding agents.

Deliberate choice against a closed, proprietary “kwsoft agent”.

One integration for all current and future ACP agents.

Your Agent

IN YOUR ENVIRONMENT

Runs locally as the tool your team already installs.

Uses your account, your model choice, and your security policies.

Enriched with the official **6.27** product skills.

SUPPORTED ACP AGENTS

Codex · **Claude Code** · **Cursor** · **Mistral Vibe** · **OpenCode** · **Pi** · **and more**

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Product Skills Turn the Agent into a Serie M/ Specialist

01 · NEW IN 6.27

Official Product Skill

M/TEXT

Product knowledge for templates, models, data models, mappings, Form.io dialogues, and test cases.

02 · NEW IN 6.27

Official Product Skill

M/OMS

Structured know-how for stacks, output channels, output settings, parameters, and processing rules.

03 · YOUR WORKSPACE

Customer-Specific Extension

House Rules

Your own conventions in `AGENTS.md` inside the workspace: naming rules, folder structures, and approval rules.

STANDARD FOR CODING AGENTS

A skill bundles expert knowledge and verification tools — the agent loads the exact skill it needs for the task at hand.

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What Coding Agents in M/Workbench Bring You

01 · AGENTIC CONTENT DESIGN

Speed in Preparation

Drastically less manual setup and maintenance effort.

- **Faster creation & maintenance:** Build and adapt complete resource packs, data models, and language variants in minutes instead of hours.
- **Verified Serie M/ quality:** Official product skills and local render checks ensure clean framework reuse before every hand-off.
- **100% deterministic in production:** AI accelerates preparation in M/Workbench — production dispatch stays strictly rule-based.

02 · BRING YOUR OWN AGENT

Full Control via ACP

Your own coding agent — under your enterprise rules.

- **Data privacy from Day 1:** No new AI vendor to approve — use the exact agent your IT security has already cleared.
- **Permissions & governance:** No elevated privileges; you inspect every file change and approve every command in one shared session.
- **Cost & model choice:** No licence token markup and no lock-in — use existing enterprise quotas and switch models anytime.

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RELEASE PREVIEW

M/OMS

Sylvia Cicio
Team Lead M/OMS

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WebUIs Overview: Five Modules - One Look and Feel

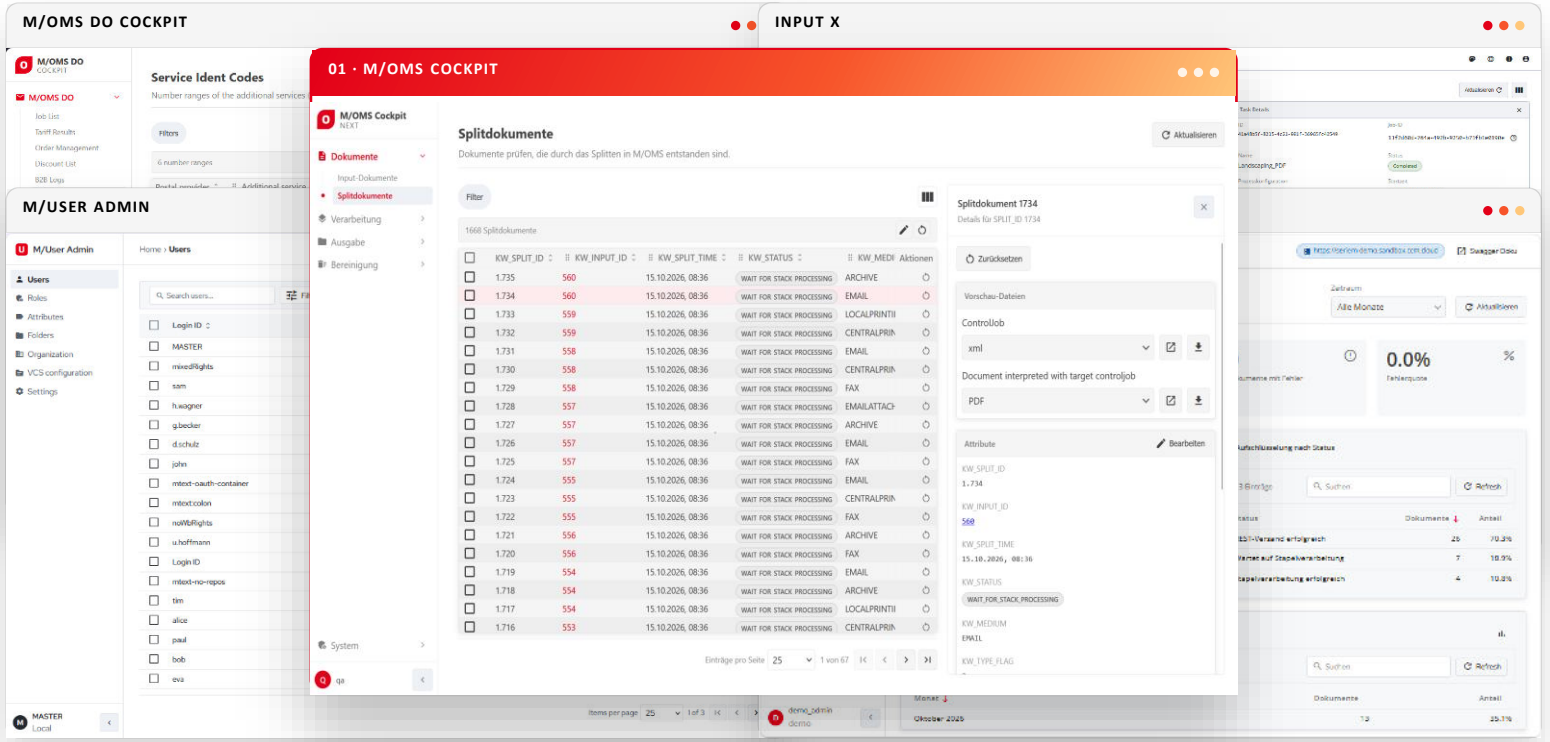
01 M/OMS Cockpit
Split documents, stacks, process monitoring, and dispatch control.

02 M/OMS DO Cockpit
Processed jobs, tariff results and postal dispatch optimization.

03 M/OMS Input X
Inbound document tasks, status tracking, and attachment inspection.

04 M/User Admin
Centralized user accounts, roles, attributes, folders, and VCS access.

05 Pulse UI
Live operational KPIs, document throughput, and failure analytics.



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So Why a New Generation of Interfaces?

Three drivers behind rebuilding our web frontends on **one shared technology foundation**.

01 · User Value

Benefits for Users

- **Intuitive operation** with clear visual hierarchy, immediate feedback
- **Consistent user guidance** across all Serie M/ web applications
- **Quick start-up** and minimal training effort when switching modules

02 · Engineering

Technical Reasons

- **Resolving security and vulnerability risks** in legacy dependency chains
- **Replacing deprecated UI technologies** such as AngularJS
- **End of long-term support** for existing third-party UI components

03 · Platform

Strategic Reasons

- **Future-proof technology base** built on kwsoft-ui and a clean REST API
- **Foundation for future features** and product innovations
- **Unified platform** across the entire Serie M/ product suite
- **Faster implementation** of enhancements and customer requirements

Modern security and architecture under the hood — familiar workflows and fast onboarding on the surface.

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Guided Tour: The New M/OMS Cockpit



Tour Through the New M/OMS Cockpit

"What worked before still works now" —
Demo administration workflow

PLANNED WALKTHROUGH HIGHLIGHTS

Familiar Workflows, Zero Retraining

- **Personal settings preserved:** Users configure their views, filters, and preferences just as before.
- **Familiar split list structure:** The layout of the split list remains immediately recognizable.
- **No transition friction:** Operators find their way around automatically without retraining.
- **Functional parity + extras:** Full coverage of proven workflows, extended with new 6.27 monitoring and dispatch features.

What worked before still works today — zero migration effort for users, plus new capabilities.

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Documents
Processing
Stacks
Scheduled stack
Stack runs
Dispatch plans
Output
Cleanup
System

Stacks

Review configured stacks and start processing runs.

Refresh

9 stacks

Name	Group	Type	Description	Actions
ARCHIVE	ArchiveStacks	Stack	Stack for processing documents to be archived	
CENTRALPRINTING	PrintStacks	Stack	Stack for rendering document collections to AFP f...	
CENTRALPRINTING_PDFVT	PrintStacks	Stack	Stack for rendering document collections to PDF-...	
DAILY_PRINT_REDIRECT	-	OnlineStack	-	
EMAIL	-	Stack	-	
FAX	-	Stack	-	
LOCALPRINTING	PrintStacks	Stack	PCL-rendered documents to be printed locally	
NOTIFICATION	-	Stack	-	
SYSTEM_TEST	-	Stack	-	

Items per page: 25 1 of 1

Release Documents From M/OMS According to Capacity

01 **Generated Documents** → 02 **Backlog** → 03 · NEW IN 6.27 **Dispatch Planning** → 04 **Controlled Release** → 05 **Print Provider**

CHALLENGE

Business Challenge

- Limited print provider capacity
- Strict dispatch windows & SLAs
- Immediate release causes peaks
- Manual bottleneck coordination

NEW IN 6.27

Dispatch Planning

- Define daily target volumes
- Scheduled release from backlog
- Reusable and adaptable plans
- Full tracking in the Cockpit

IMPACT

Expected Benefits

- Predictable daily volumes
- Optimal provider utilization
- Fewer operational bottlenecks
- Full SLA & audit transparency

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Documents
Processing
Stacks
Scheduled stack runs
Stack runs
Dispatch plans
Output
Cleanup
System
max

Weihnachtswoche

Planned stack runs and what M/OMS made of them.

Back | Refresh | Copy plan | Edit | Activate | Cancel plan

Overview

State: Draft

Scope: Mon, 12/21/2026 – Thu, 12/24/2026

Copied from: —

Created: max · 11/04/2026, 05:13 PM

Updated: max · 11/04/2026, 05:13 PM

Version: 0

Current filling

How much of the planned amounts the documents in the backlog fill now. Only planned runs that have not started take documents, in start order. Runs of other active plans that start earlier take theirs first. Documents that several stacks or condition values select count for each of them.

This plan is not active, so it only gets what the runs of the active plans leave.

1,086 of 2,500,000 pages covered now 0 %

Stack and condition values	Backlog	Other active plans	This plan	Not covered
CENTRALPRINTING	297 documents · 1,086 pages	0	297	0

Counted at 11/04/2026, 05:13 PM | Count again

Days

Day	Target	Planned amount	Covered now	Stack runs	Finished	Processed documents
Mon, 12/21/2026	1,000,000	1,000,000	1,086	1	0	0
Tue, 12/22/2026	1,000,000	1,000,000	0	1	0	0
Wed, 12/23/2026	300,000	300,000	0	1	0	0
Thu, 12/24/2026	200,000	200,000	0	1	0	0

Planned stack runs

4 stack runs

Planned start	Stack	Amount	Covered now	Priority	Run state	Timed stack run	Stack run	Documents	Errors	State since
12/21/2026, 06:00 AM	CENTRALPRINTING	1,000,000 pages	1,086	0	Planned	—	—	—		
12/22/2026, 06:00 AM	CENTRALPRINTING	1,000,000 pages	0	0	Planned	—	—	—		

Dispatch plan "Weihnachtswoche" was saved. x

M/OMS Cockpit Process Monitoring

01 **Process** → 02 **Monitor** → 03 · NEW IN 6.27 **M/OMS Cockpit** → 04 **Issue** → 05 **Recovery**

UNTIL NOW

Current Situation

- Monitoring runs in background
- Status invisible to operators
- Stalled processes hard to spot
- Recovery needs external support

NEW IN 6.27

Node & Process Monitor

- Live process status in Cockpit
- Spot unreachable processes fast
- Manual recovery actions
- Transparent audit log

IMPACT

Expected Benefits

- Faster issue identification
- Reduced support dependency
- Full operational transparency
- Higher process availability

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M/OMS 6.27 · PROCESS MONITORING

Node Monitor Log

HEALTH STATUS

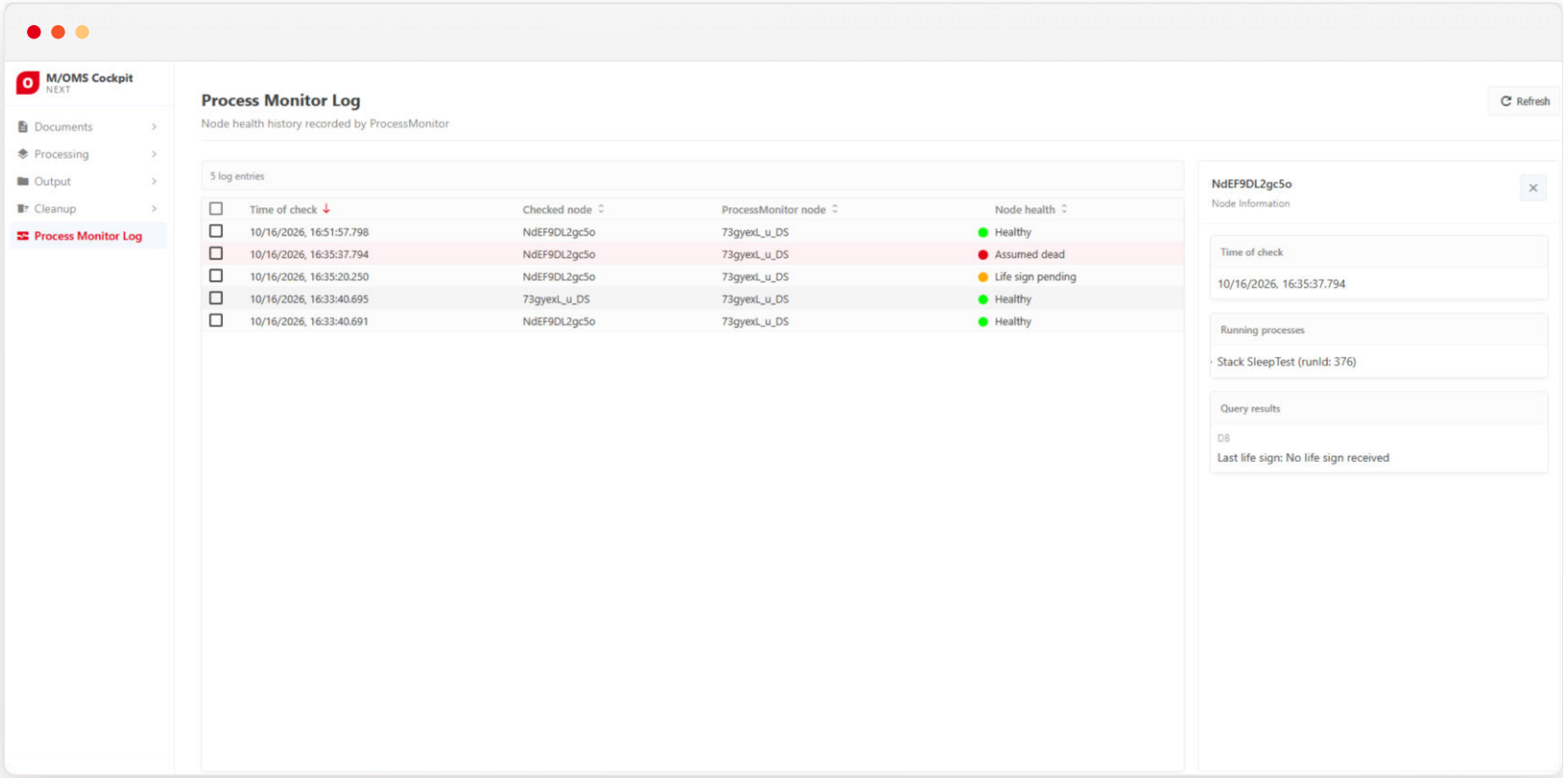
Healthy · Pending · Assumed Dead

Status badges highlight missing life signs immediately.

DETAIL INSPECTOR

Running Process Context

Inspect active stack runs (e.g. `Stack SleepTest`) and timestamps in one click.



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Job-Based Stack Execution

01 **Request** → 02 · NEW IN 6.27 **Kubernetes Job** → 03 **Dedicated Container** → 04 **Stack Execution** → 05 **Cleanup**

WHY

Motivation

- No interruption on pod restarts
- Isolate long-running batch runs
- Independent scaling per stack
- Limit failures to single job

SCENARIOS

When to Use

- Long-running background jobs
- Large document rendering
- Data imports, ETL & batch runs
- CPU- or RAM-intensive workloads

NEW IN 6.27

Characteristics

- Isolated execution environment
- Explicit CPU & RAM limits
- Single-job failure boundary
- Automatic cleanup on exit

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Online Worker Pool vs. Batch Kubernetes Job

MODEL 01 · ONLINE CLUSTER

Persistent Worker Pool



PROS

- Zero startup latency
- High throughput
- Shared resource pool

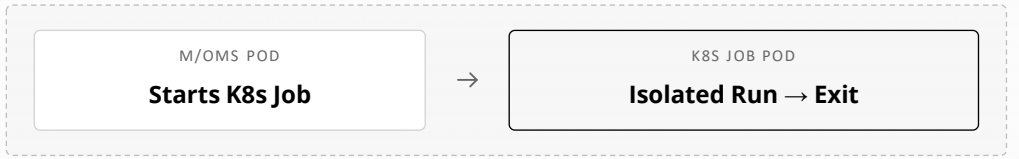
CONS

- CPU & RAM contention
- Pod restart stops all runs
- No workload isolation

Best for: Short interactive tasks (< few seconds) at high frequency.

MODEL 02 · NEW IN 6.27

Dedicated Kubernetes Job



PROS

- Full CPU & RAM isolation
- Zero blast radius
- On-demand scaling & cleanup

CONS

- Container startup (seconds)
- K8s scheduling overhead

Best for: Heavy batch runs (minutes to hours) with high memory demand.

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THANK YOU

Complete output management coverage today
Ready for whatever comes next

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News From Development

Thank You.

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