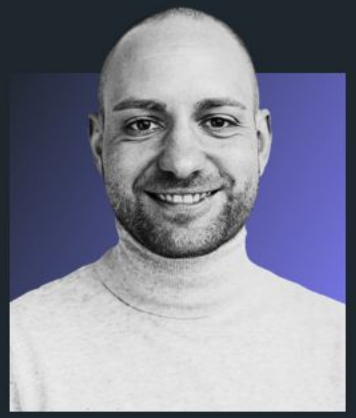
Checkmk Conference #11

Test like a robot, monitor like a Bavarian



Sebastian Böhm

DevOps Engineer, it@M

Maximilian Sachmann

DevOps Engineer, it@M

About us

Landeshauptstadt
München
IT-Referat
it@M

Sebastian Böhm

- *DevOps Engineer*
- *Monitoring since 2016*
- *Checkmk user since 2022*

Maximilian Sachmann

- *DevOps Engineer*
- *Monitoring since 2020*
- *Checkmk user since 2022*

Checkmk Conference #11 X it@M

About it@M

IT service provider for the City of Munich

Landeshauptstadt
München
IT-Referat
it@M

1.350 Employees	**1.099** Applications	**6.300** Virtual servers
8 Sites	**4.000+** Hosts **200.000+** Services	**28+** Test cases

Checkmk Conference #11 X it@M

Road to Robotmk & Checkmk

Landeshauptstadt München
IT-Referat
it@M

OSMC

Simon presents Robotmk at OSMC

Migration

Migrating infrastructure and synthetic monitoring

Support End

Development of E2E-Tool discontinued & open source

PoC

Evaluate Checkmk & Robotmk

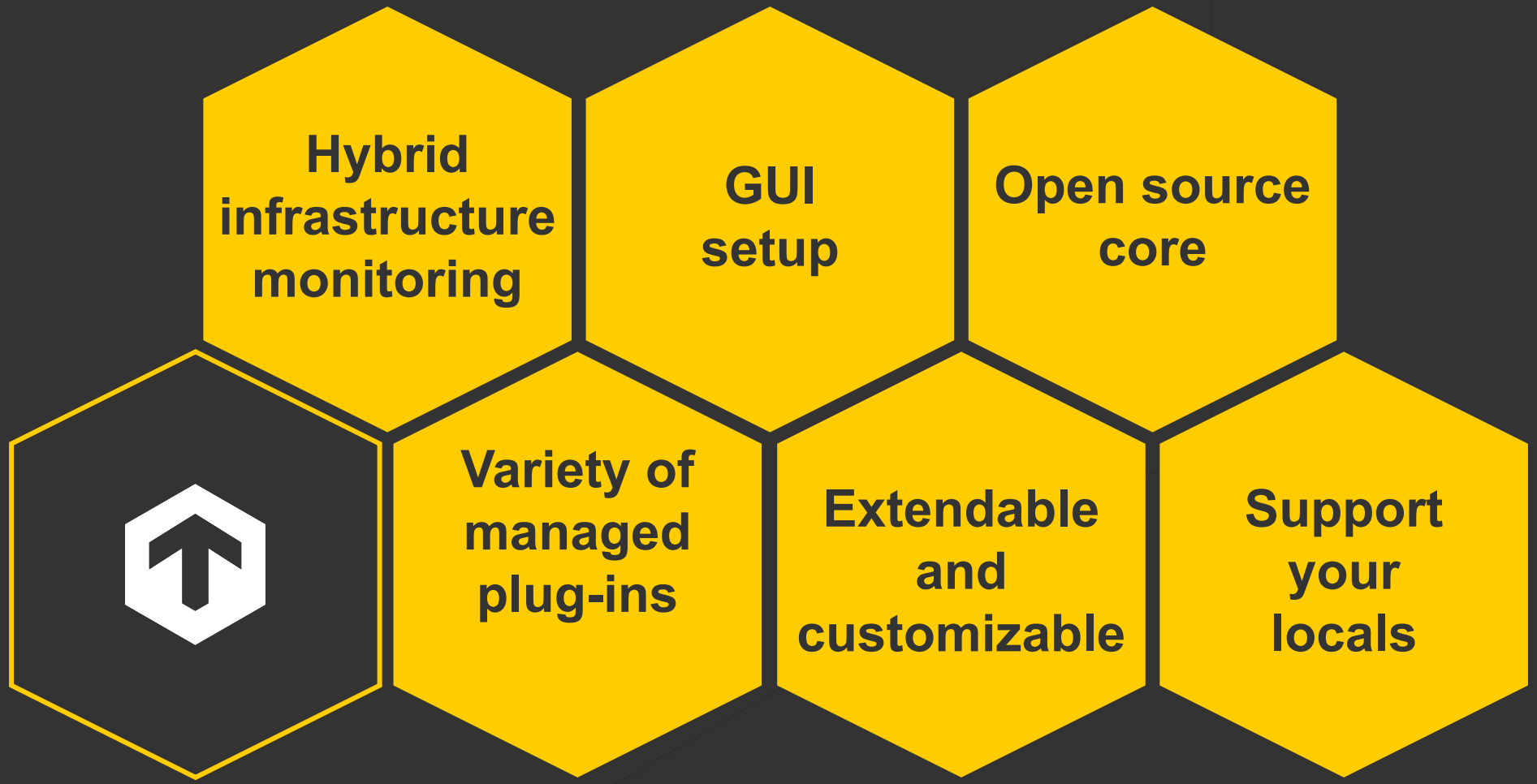
Go-Live

Switch to Checkmk monitoring

Checkmk Conference #11 X it@M

Reasons for Robotmk

Reasons for Checkmk



Goals with Robotmk

Monthly availability report

End-to-End monitoring

Usage of Robotmk

Municipal waste management

- Very frequently visited website
- Information on garbage collection/disposal
- Collection calendar

Leerungstermine

Kellerstr. 27

Zeitraum auswählen

Woche 15 vom 07.04.2025 bis 13.04.2025

Tag	Datum	Abfallart
Montag	07.04.2025	
Dienstag	08.04.2025	
Mittwoch	09.04.2025	
Donnerstag	10.04.2025	Restmülltonne
Freitag	11.04.2025	
Samstag	12.04.2025	Papiertonne, Geänderter Leeru
Sonntag	13.04.2025	

Jahreskalender 2025 als PDF

Download ICS-Datei 2025 für Ihren Kalender

Usage of Robotmk

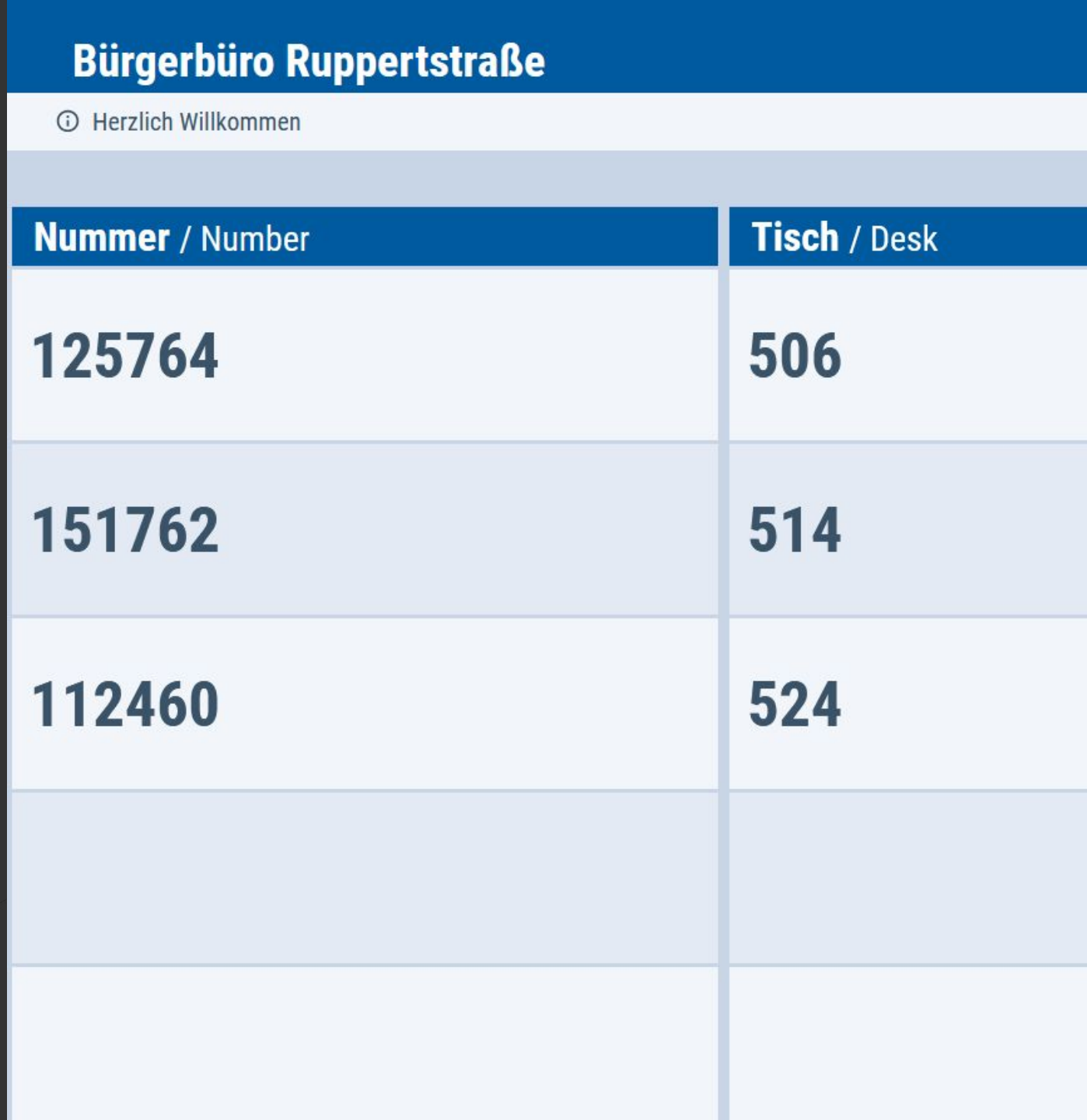
Child daycare finder

- Searching and booking a childcare place
- Application for processing the incoming requests

Usage of Robotmk

Municipal service center

- Booking appointments
- Managing appointments
- Visitor displays



Usage of Robotmk

Availability Report

- Test Cases running 24/7
- Availability during SLA
- Monthly reporting of availability
- Highlight lower availability

Verfuegbarkeitsreport

Report erstellt am: 02.05.2025
Zeitraum: April 2025 - von 01.04.2025 bis 01.05.2025

Servicezeiten:
Mo, Mi, Do: 06.30 - 17.00 Uhr
Di: 06.30 - 19.00 Uhr
Fr: 06.30 - 15.00 Uhr

Service
RMK awm_awm Test: /Internetauftritt: AWM
RMK kitafinder_kitafinder Test: /Tasks: Kita Backend
RMK kitafinder_kitafinder Test: /Tasks: Kitafinder
Summary

Availability levels:

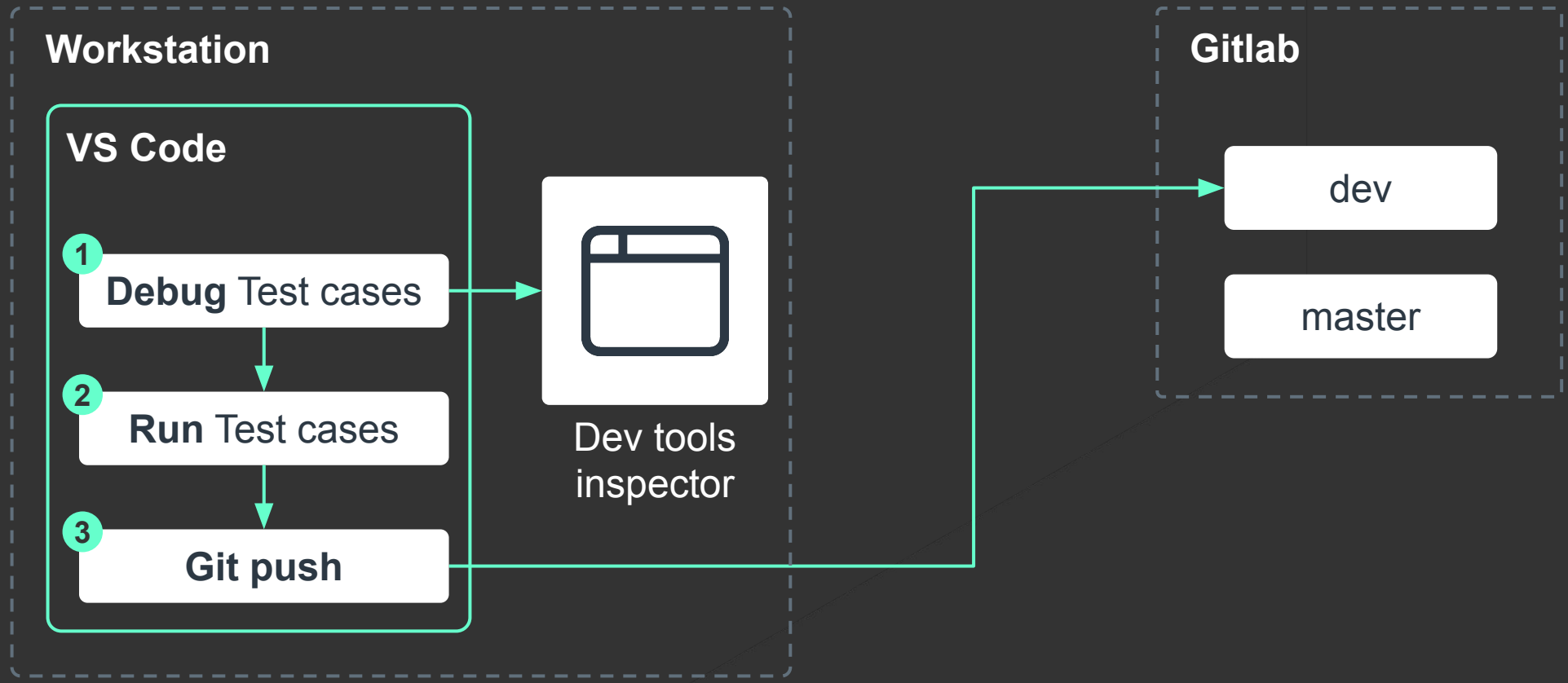
OK	> 99.000%	Warning	> 98.000%	Critical	<= 98.000%

Workflow

local
development
dev
pipeline
master
pipeline
agent
rule

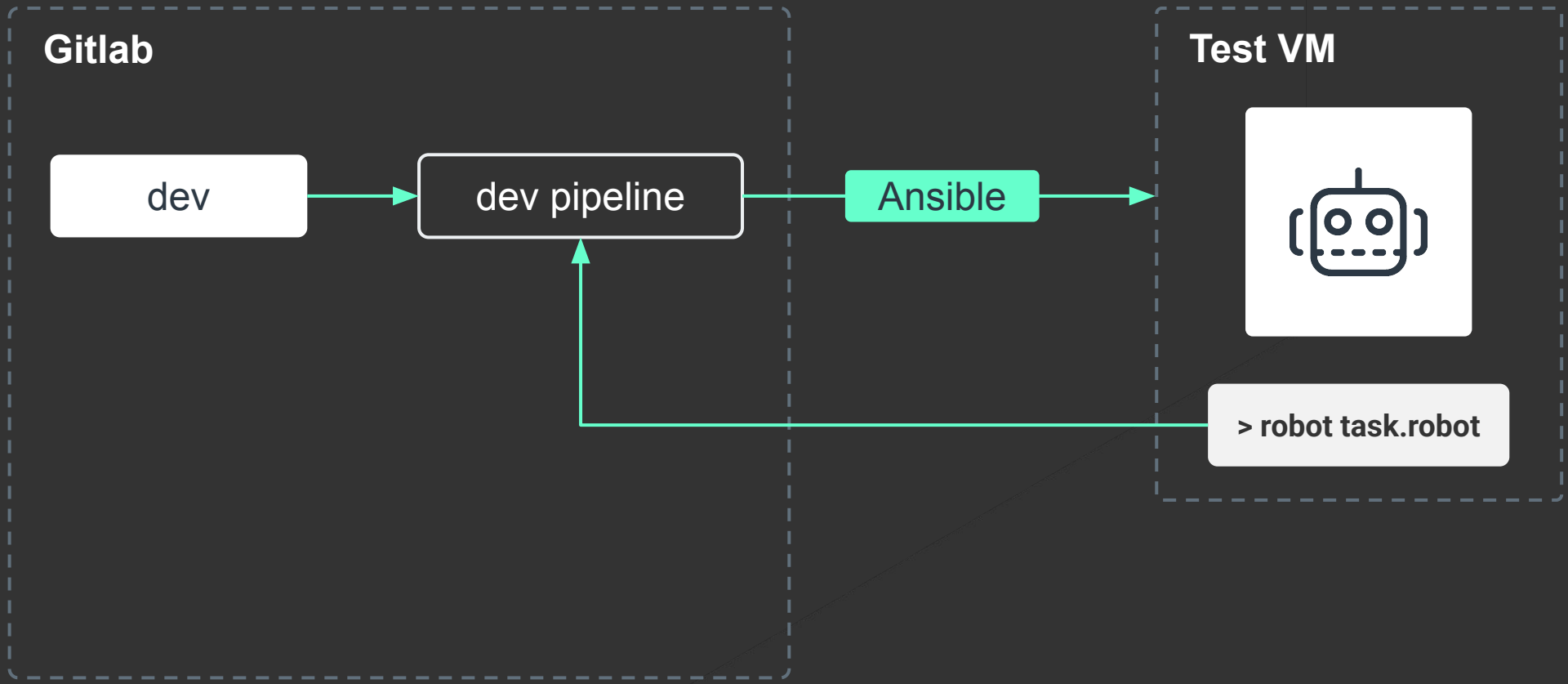
Workflow

Local development



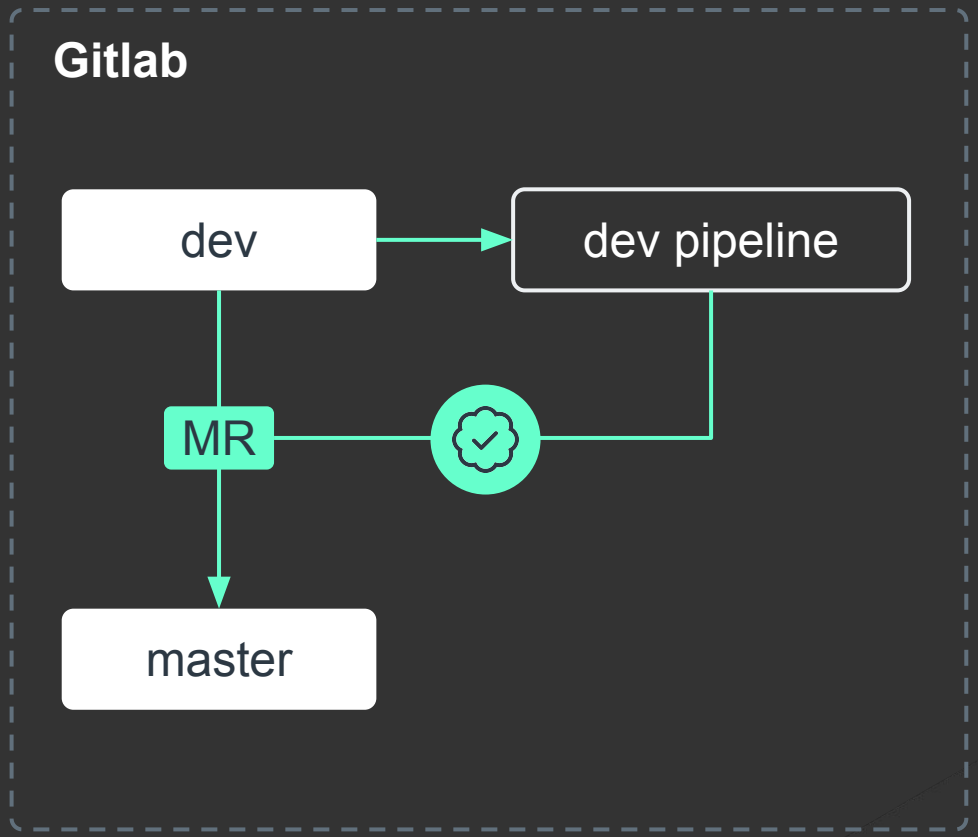
Workflow

Dev pipeline



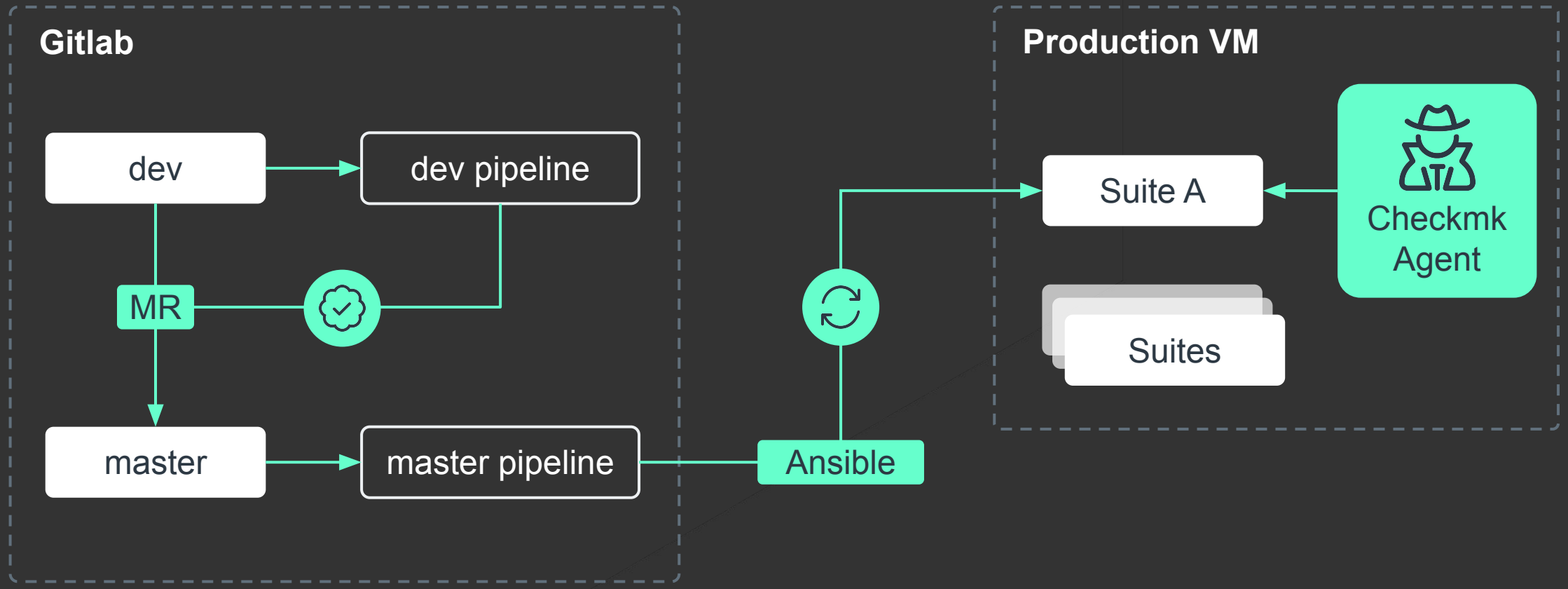
Workflow

Dev pipeline



Workflow

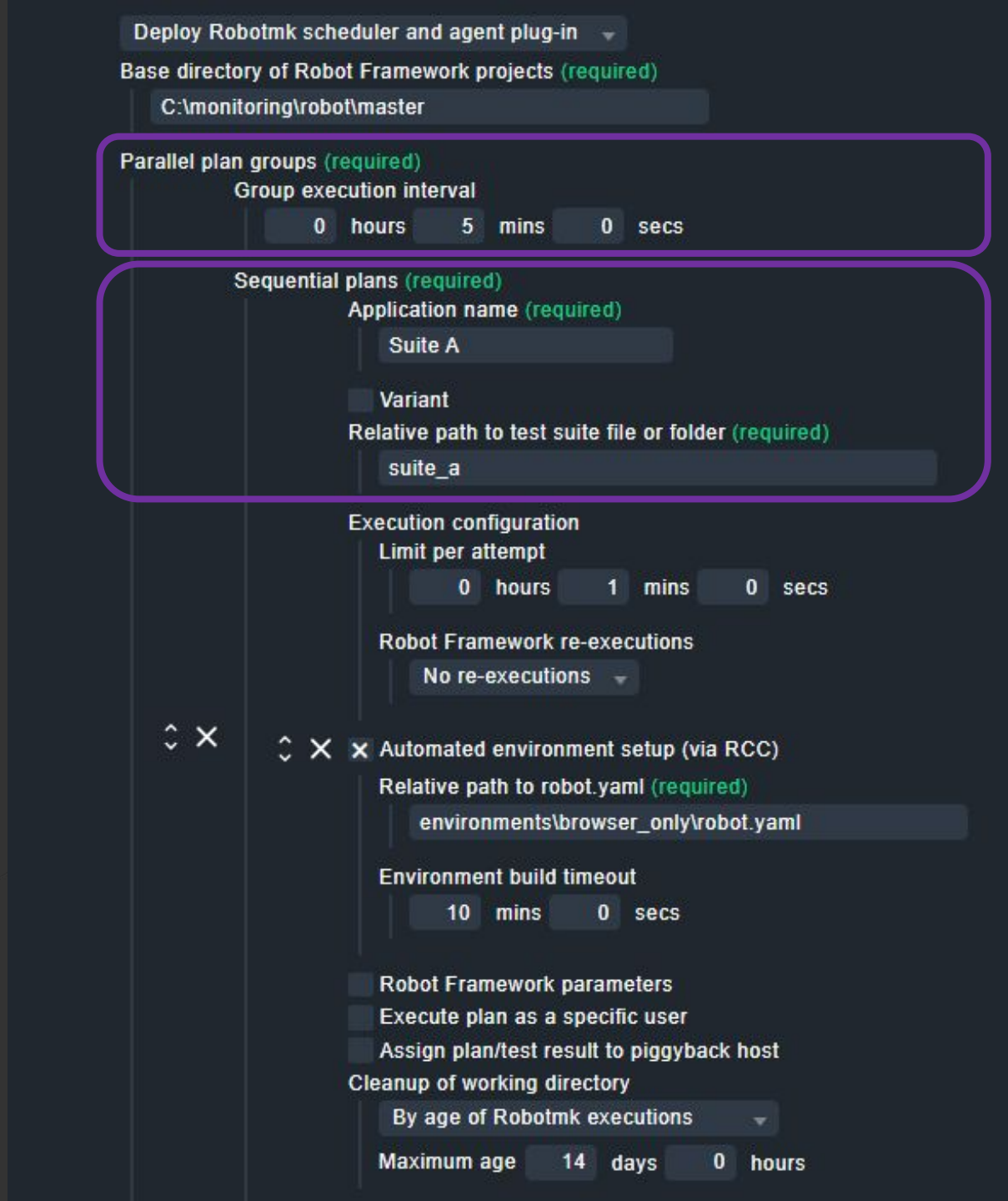
Master pipeline



Workflow

Agent Rule

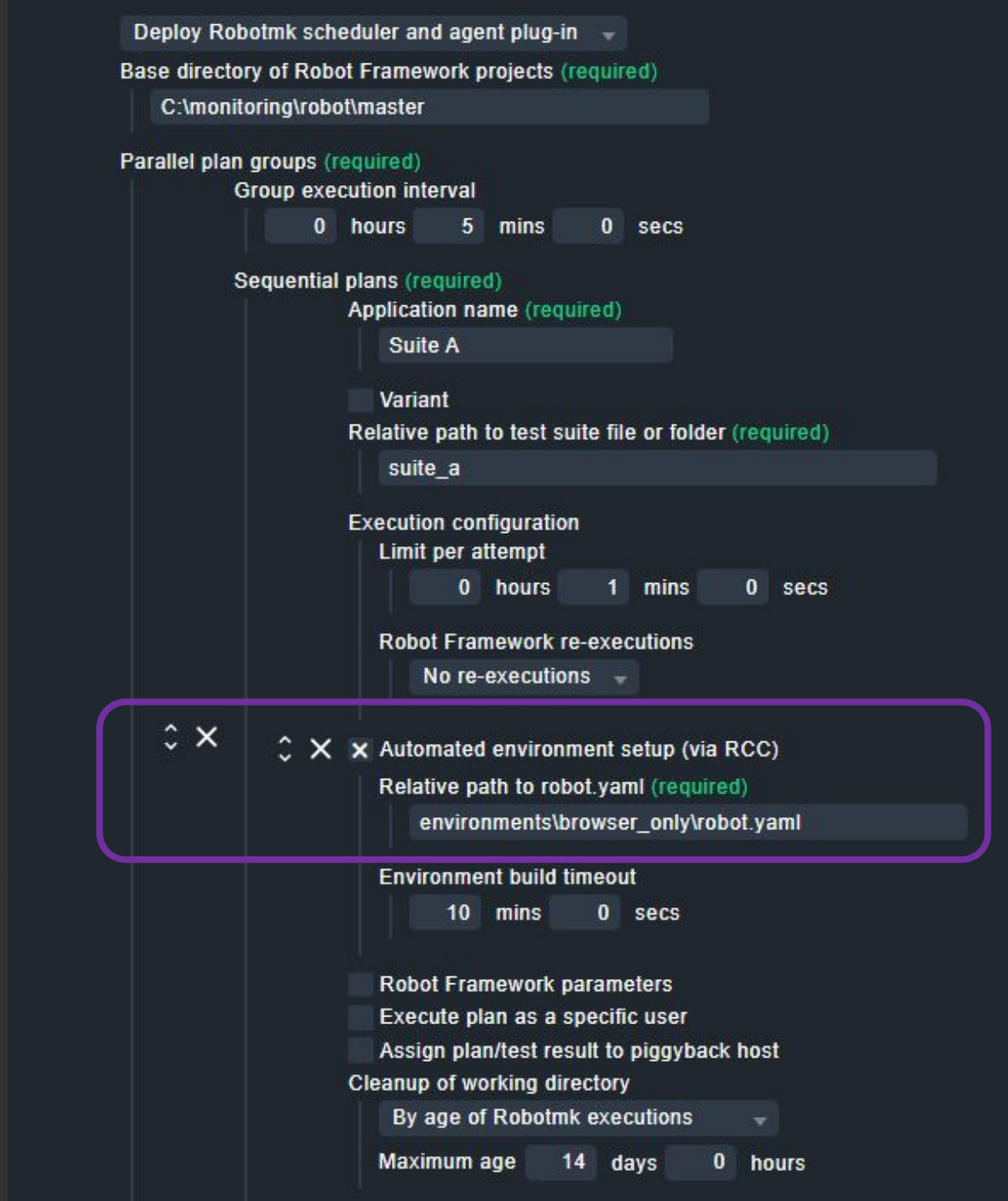
- Parallel and sequential execution
- Execution times



Workflow

Agent Rule

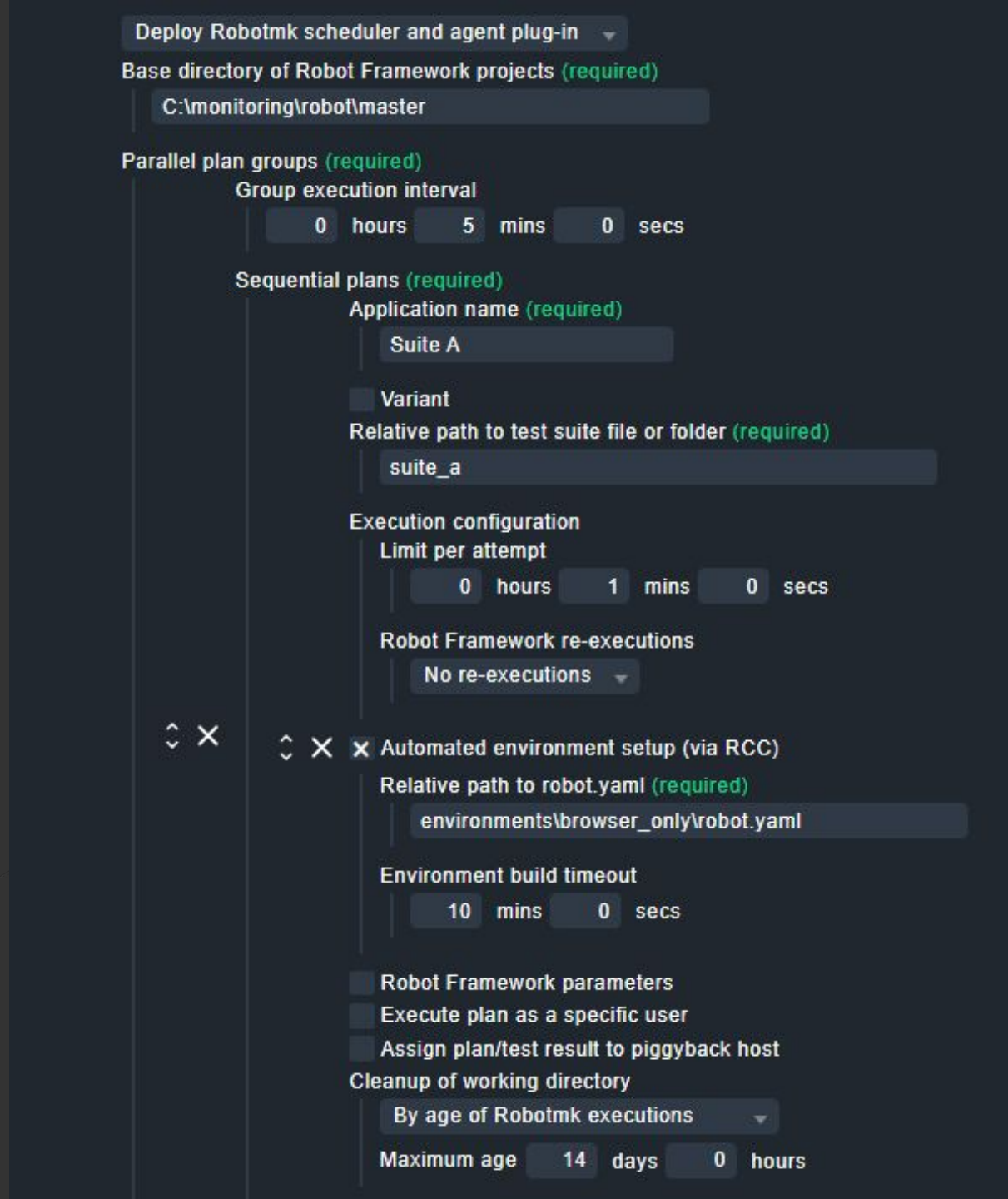
- Parallel and sequential execution
- Execution times
- Central environment config



Workflow

Agent Rule

- Parallel and sequential execution
- Execution times
- Central environment config
- Assign explicit host



Daily issues & solutions

- Downtimes
- Selectors
- Expect the unexpected
- Explanations and instructions
- Be creative and precise
- Quality assurance

Landeshauptstadt
München
IT-Referat
it@M

Sebastian Böhm

Thank you!
Questions?

Maximilian Sachmann

Checkmk Conference #11 X it@M

11