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System

Report date	Mon, 09 Oct 2023 11:29:27
Cluster name	mkvfat
Kubernetes Cluster domain	mkvfat.labs.werum.net
Kubernetes API endpoint	10.78.159.111:6443

All listed nodes were set up with the following OpenStack parameters:

Property	Value
Tenant	MKV
Networking (Standard Network Interface)	flat

Kubernetes Cluster Nodes

These are the individual nodes in the Kubernetes cluster:

mfat-lan-1-72w3

System Properties

ASPOSE

Property	Value
Description	mfat-lan-1-72w3
Availability zone	cube-1
IP Address	10.78.154.126
Flavour	8.16.default
No. of processors (vCPU)	8
RAM / Memory	16397052Ki
Boot volume size	100
Boot source name	Ubuntu-Focal-Fossa-20.04.3-LTS-V1.01
Creation time	2023-10-09T11:14:44Z

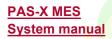
Boot source name	Obullu-Focal-Fossa-20.04.5-L15-v1.01
Creation time	2023-10-09T11:14:44Z
Installed-Software	

Property

System Requirements

System manual





Körber Pharma Software PAS-X MES Standard Valid as of software version V3.3.2/00 Document version 1.3 Modification date: 25 May 2023

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Document history

Version	Date	Name	Change Kubelet version v1.24.3
1.0	19 Aug 2022	C. Dröscher	Initial document for software version PAS-X MES
V3.3.2/00.			
		_	Updated sections "PAS-X runtime configuration / Server" an
"PDF/A cor	version / Ghostsc	ript" regarding G	Shostscript version.
	07 Oct 2022	K. Hinz	Updated section "Service users" regarding usage of ssh
SOCKET CONF	nection for traefik.		
	07 Oct 2022 access over ssh.	K. Hinz	Updated section 'Docker Remote API Access' regarding a
	02 Nov 2022	G. Kirck	Updated section "Password encryption", refer to "System
Manager" s	ystem manual.		
			Added section "RabbitMQ node labels" and updated section
"Host bour		ces" regarding	RabbitMQ deployment and requirements in the Swarm
<u>oomigarano</u>	<u> </u>		
1.0	23 Jan 2023	N. Haffke	Editorial changes.
1.0	09 Feb 2023	C. Friedrich	Updated section "PAS-X runtime configuration": Corrected
browser & 2	KenApp version fo	r client runtime a	and Helm & kubectl version for server runtime.
1.0	23 Feb 2023	T. Burlatis	Updated section "PAS-X runtime configuration": Corrected
browser ve	rsion. Corrected P	ostgreSQL requ	irements.
1.0	24 Feb 2023	B. Tiernan	Editorial changes.
1.1	27 Feb 2023	T. Burlatis	Corrected Kubectl version.
1.2	11 Apr 2023	T. Burlatis	Updated section "PAS-X runtime configuration": allow
	applying Citrix C	U packages.	
1.3	25 May 2023	T. Burlatis	Updated section "PAS-X runtime configuration": added
	Bash V5 as requ	urement for depl	loyment host.

Document Creation and Review

<u>Creation and review of this document is typically a joint activity performed by several project team members.</u>
<u>The signature confirming creation and review of this document indicates that it has been created and reviewed by the person signing.</u>

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It is confirmed that the content of this document fits the purpose described in the respective "Purpose" section in the document.

It is also confirmed that this document is created in a manner that an administrator is able to understand it.

Created and reviewed by

Name / date / signature

Document Review and Approval

Reviewandapprovalsignaturesforthisdocumentactasconfirmation by the person signing that this document has been created in the way indicated above.

Reviewed and approved by

Name / date / signature



1 General

1.1 Purpose

This section describes the requirements for systems utilizing PAS-X.



the hardware structure of PAS-X systems

varies:

mfat-lan-2-72w3

System Properties

Property	Value
Description	mfat-lan-2-72w3
Availability zone	cube-1
IP Address	10.78.159.118
Flavour	8.16.default
No. of processors (vCPU)	8
RAM / Memory	16397052Ki
Boot volume size	100
Boot source name	Ubuntu-Focal-Fossa-20.04.3-LTS-V1.01
Creation time	2023-10-09T11:14:43Z

Installed Software

- to distributed system components on several computers (productive systems).

The mentioned system requirements do NOT include requirements for redundant hardware; this means that requirements for systems employing redundancy concepts are not considered in this document.

It is assumed that ONLY the PAS-X productive system runs on the hardware. Additional loads caused by other systems, such as testing and/or training systems running on the same hardware are not considered in this document. It is common to have the following systems installed at the customer:

- Development or sandbox system to e.g. perform testing of a prototype
- Training system to train end users, e.g. operators or supervisors
- Qualification system used for validation
- · Productive system

1.2 Target audience

This document is aimed for administrators. Prerequisites:

- Technical knowledge relating to the system infrastructure.
- Good command of the functions of the PAS-X user interface.

1.3 Symbols and typographical conventions

Symbol	Description /
Example Kubelet ve	rsion
v1.24.3 This document wa	as trancated here because it was created in the Evaluation Mode.