



SAS VIYA - DIE NEUE SAS ARCHITEKTUR - TEIL 2: DEPLOYMENT

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SAS[®] Viya[™]

AGENDA

- Wie ändert sich das Deployment von SAS?
- Demo
- Zusammenfassung

Mit SAS Viya entfällt oder ändert sich:


- SAS 9.4 Software Order Email (ändert sich),
- SAS 9.4 Download Manager (entfällt),
- SAS 9.4 Software Depots (entfällt),
- SAS 9.4 Planning Application (entfällt),
- SAS 9.4 Deployment Wizard / SAS 9.4 Deployment Manager (entfällt).



Fr 13.03.2015 15:50

Internal Order Support <ikesupport@wnt.sas.com>

SAS 9.4 ESD Software Order 09H93Z (Tech Sup # 70068130) on Microsoft Windows Server & Workstation for x64

An  Jürgen Schreiter



SAS® ESD Software Order E-mail

You received this Software Order E-mail (SOE) because you have purchased a license for **SAS Software Order 09H93Z** and you chose to receive your software via Electronic Software Delivery (ESD). The depot created during the download process will include the required licensing files.

Note: Any evaluation or newly licensed products that are listed will run on a temporary SAS installation data file (SID file), a license file that consists of customized installation and product authorization information, to allow you to use the software before the invoice is paid (if applicable). For licensed products, you will receive a full-term SAS installation data file after full payment is received.

If any site information or order information is incorrect, or SAS should not be sending you e-mail, please contact Contracts Support at 1-800-727-0025 (press option 3).

Your Order Information:

Order Number:
SAS Installation Key:
Deployment Type:
Date:
Space Required for SAS Software Depot:
Software Status:

09H93Z
GF24-Y9QK-8HK3
Basic
March 13, 2015
14.1GB
Pre-production

Information for Tech Support Site 70068130:

Site Name:	94_WX6_15W25_APRO_11MAR2015
Tech Support Site Number:	70068130
Contracts Site Number:	545548
Operating System:	Microsoft® Windows® Server & Workstation for x64
Product:	SAS 9.4 TS1M2, Rev. 940_15w25
License File:	SAS94_09H93Z_70068130_Win_X64_Wrkstn_Srv.txt

Product(s) Ordered

Base SAS
SAS/GRAPH
SAS/STAT

Your Deployment Instructions:

For a video overview about the SAS 9.4 installation and configuration process, please visit <http://support.sas.com/sas94-install-videos>.


When you are ready to deploy your SAS software, follow these instructions:

1

Download the SAS Download Manager.


<http://image1.unx.sas.com/tools/esdclient/>











Di 27.09.2016 09:23

Internal Order Support <ikesupport@wnt.sas.com>
SAS Viya Order 70198984-9BLWBN: SAS INTERNAL VIYA 16W38 LINA

An  Jürgen Schreiter

 Sie haben diese Nachricht am 27.09.2016 09:25 weitergeleitet.

 Nachricht  SASViyaV0300_9BLWBN_Linux_x86-64.txt (8 KB)  SAS_Viya_playbooktgz (126 KB)



Software Order Confirmation

Thank you for choosing SAS.

Order Summary

Site Name: SAS INTERNAL VIYA 16W38 LINA
Tech Support Site Number: 70198984
Order Number: 9BLWBN

License Information

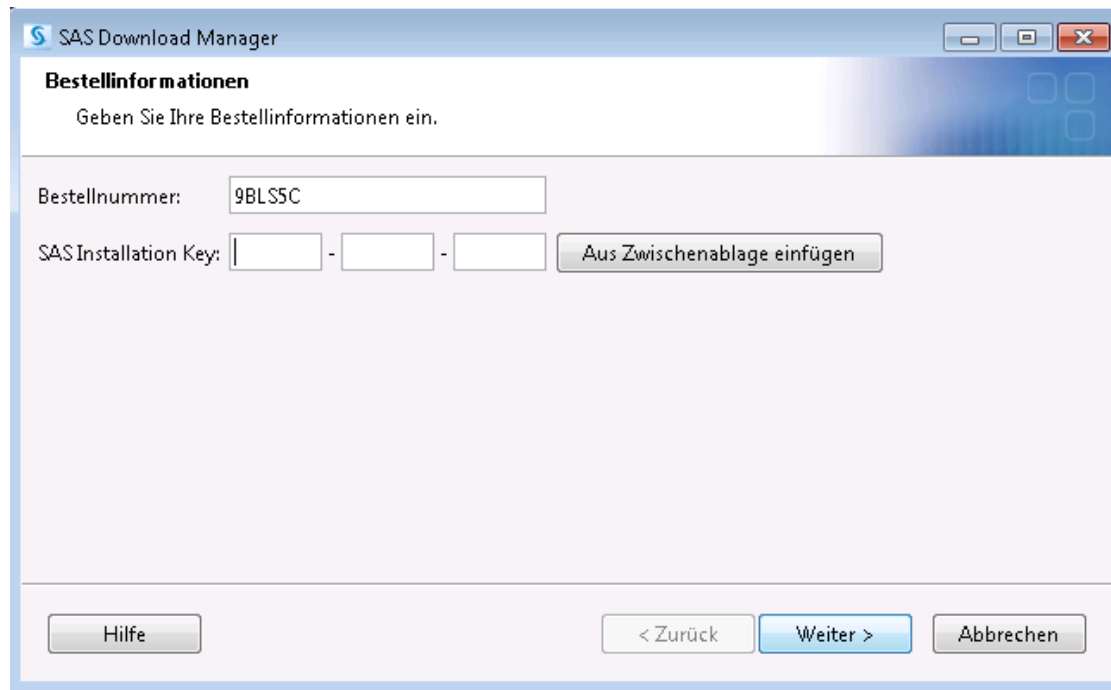
You have licensed the following software:

- SAS Event Stream Processing (SAS Viya Enabled)
- SAS In-Database Technologies for Hadoop (on SAS Viya)
- SAS In-Database Technologies for Teradata (on SAS Viya)
- SAS Text Analytics for Arabic (on SAS Viya)
- SAS Text Analytics for Chinese (on SAS Viya)



Die SAS Viya Software Order E-Mail enthält:

- Die Lizenzdatei.
- Eine komprimierte Datei die
 - eine Kopie der Lizenzdatei,
 - zwei Zertifikate,
 - die Deployment Scriptdatei und
 - das SAS Viya Playbookbeinhaltet.
- Den Link zum aktuellen SAS Yiva Deployment-Guide inkl. den System Requirements.



The screenshot shows the 'SAS Download Manager' window. The title bar includes the SAS logo and the text 'SAS Download Manager'. The window has standard Windows window controls (minimize, maximize, close) in the top right corner. The main content area is titled 'Bestellinformationen' (Order Information) and contains the instruction 'Geben Sie Ihre Bestellinformationen ein.' (Enter your order information.). Below this, there is a 'Bestellnummer:' (Order Number) label followed by a text input field containing '9BLS5C'. Underneath, the 'SAS Installation Key:' is followed by three separate text input fields separated by hyphens. To the right of these fields is a button labeled 'Aus Zwischenablage einfügen' (Paste from clipboard). At the bottom of the window, there are four buttons: 'Hilfe' (Help), '< Zurück' (Back), 'Weiter >' (Next), and 'Abbrechen' (Cancel).

SAS Download Manager

Bestellinformationen

Geben Sie Ihre Bestellinformationen ein.

Bestellnummer: 9BLS5C

SAS Installation Key: - - Aus Zwischenablage einfügen

Hilfe < Zurück Weiter > Abbrechen



- Die SAS Yiva Software wird über RPM Pakete ausgeliefert, um Installationen und auch Updates zu vereinfachen.
- Die RPM Pakete werden direkt beim Deployment heruntergeladen:

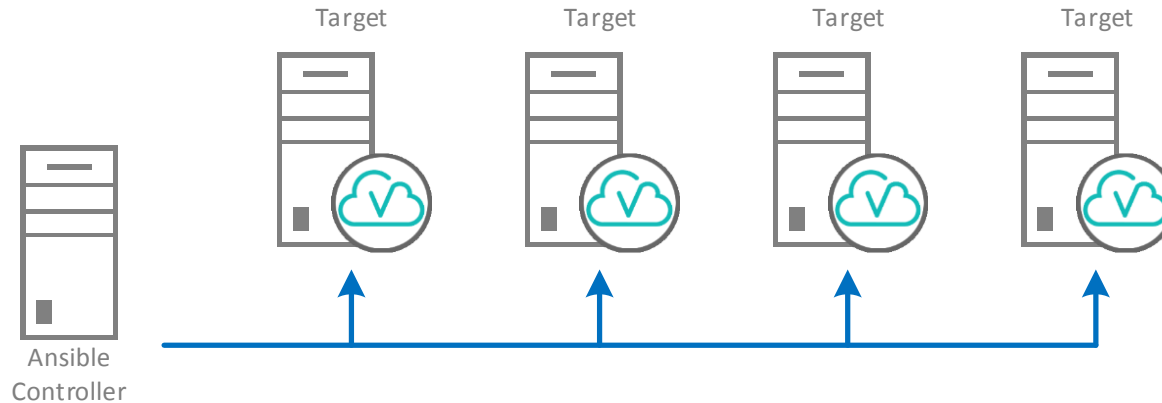
```
# Download the RPM file used to establish yum connectivity to the central SAS
# catalog of repositories

curl -OLv --cert $CERTDIR/entitlement_certificate.pem --cacert
$CERTDIR/SAS_CA_Certificate.pem https://ses.sas.download/ses/repos/meta-repo//sas-
meta-repo-1-1.noarch.rpm
```

94_WX6_16W26_only_Cary	Name	Änderungsdatum	Typ
▶ hot_fix	aacmndbsvrc_94130_prt_xx_sp0_1	04.07.2016 14:14	Dateiordner
▶ install_doc	aacomp_94130_lax_en_sp0_1	04.07.2016 14:14	Dateiordner
▶ JMP	aacomp_94130_wx6_en_sp0_1	04.07.2016 14:14	Dateiordner
▶ media_data	abmclient_94130_win_de_sp0_1	04.07.2016 14:14	Dateiordner
▶ order_data	abmclient_94130_win_en_sp0_1	04.07.2016 14:14	Dateiordner
▶ plan_files	abmclient_94130_win_es_sp0_1	04.07.2016 14:14	Dateiordner
▶ product_data	abmclient_94130_win_fr_sp0_1	04.07.2016 14:14	Dateiordner
▶ products	abmclient_94130_win_it_sp0_1	04.07.2016 14:14	Dateiordner
▶ SAS_OpRisk_Global_Data	abmclient_94130_win_ja_sp0_1	04.07.2016 14:14	Dateiordner
▶ sid_files	abmclient_94130_win_ko_sp0_1	04.07.2016 14:14	Dateiordner
▶ standalone_installs	abmclient_94130_win_nl_sp0_1	04.07.2016 14:14	Dateiordner
▶ third_party	abmclient_94130_win_pb_sp0_1	04.07.2016 14:14	Dateiordner
▶ utilities	abmclient_94130_win_pt_sp0_1	04.07.2016 14:14	Dateiordner
▶ vjr	abmclient_94130_win_zh_sp0_1	04.07.2016 14:14	Dateiordner



- Die SAS Yiva Software wird über RPM Pakete ausgeliefert, die
 - entweder direkt bei der Installation herunter geladen werden
 - oder es wird ein Mirror Repository auf dem Ansible Controller angelegt, von dem aus dann die Server installiert werden.



SAS VIYA DEPLOYMENT

SAS 9.4 PLANNING APPLICATION

2015-02-17 17:15 When adding machines on the Define Machines tab... (Click for more)

Product Report | Messages | Help | Exit

SAS Planning Application · Select an existing plan to edit or copy, or select New Plan



Select Plan

My Plans

Samples

Search

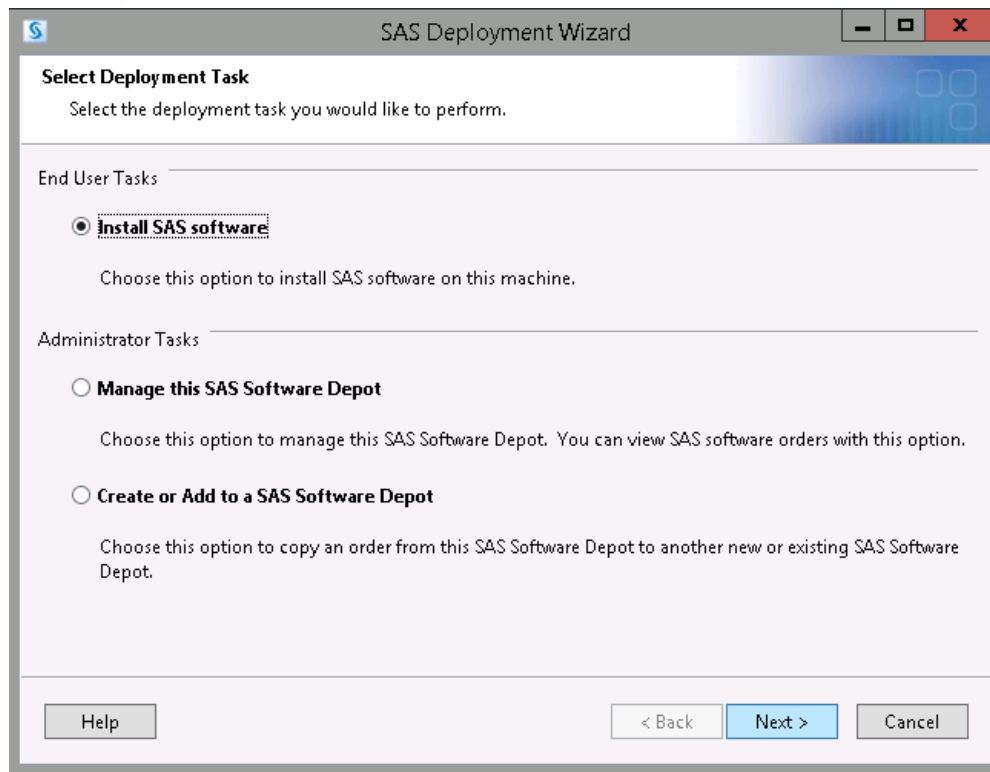
Upload

New Plan

Customer	Plan Name	Created By	Last Modified	Machines	SAS Version	Offerings	Description
GERTEST063 14W41	GERTEST063	Juergen Schreiter	2014-11-10 20:39:01	3	9.4	SAS Enterprise BI Server 9.4, SAS Enterprise Miner 13.2, SAS Data Integration Server 9.4, Select Individual Products, SAS Text Miner 13.2, SAS Visual Analytics 7.1	GERTEST063 14W41
GERAAL	GERAAL 14W19	Juergen Schreiter	2014-05-30 14:27:03	3	9.4	SAS Enterprise BI Server 9.4, SAS Enterprise Miner 13.1, SAS Enterprise Guide 6.11, SAS Data Integration Server 9.4, SAS Forecast Server 13.1, SAS High-Performance Risk 3.2, SAS/IML 12.3, SAS Enterprise Model Management 12.3, SAS Risk Dimensions 6.2, Select Individual Products, SAS Text Miner 12.3, SAS Contextual Analysis 12.3, SAS Visual Analytics 6.4	(NONE)
GERJNH	gerjnh 94 14w19	Juergen Schreiter	2014-05-30 13:26:05	3	9.4	SAS Enterprise BI Server 9.4, SAS Enterprise Miner 13.1, SAS Data Integration Server 9.4, SAS Forecast Server 13.1, SAS/IML 12.3, SAS Enterprise Model Management 12.3, Select Individual Products, SAS Text Miner 12.3, SAS Visual Analytics	(NONE)



- Die Auf- / Verteilung der Software kann jetzt auch ohne die Unterstützung eines Technical Consultants von SAS durchgeführt werden.
- SAS Yiva verwendet hierfür „inventory files“:
 - Für ein single-machine deployment: hosts .
 - Für multi-machine deployments: host_local .
- und die Konfigurationsdatei:
 - customized_deployment_script.sh



The screenshot shows the 'SAS Deployment Wizard' window. The title bar includes the SAS logo and standard window controls. The main content area is titled 'Select Deployment Task' and contains the instruction 'Select the deployment task you would like to perform.' There are two sections: 'End User Tasks' and 'Administrator Tasks'. Under 'End User Tasks', the 'Install SAS software' option is selected with a radio button. Below it, a description states: 'Choose this option to install SAS software on this machine.' Under 'Administrator Tasks', there are two unselected options: 'Manage this SAS Software Depot' (description: 'Choose this option to manage this SAS Software Depot. You can view SAS software orders with this option.') and 'Create or Add to a SAS Software Depot' (description: 'Choose this option to copy an order from this SAS Software Depot to another new or existing SAS Software Depot.'). At the bottom, there are three buttons: 'Help', '< Back', and 'Next >', followed by a 'Cancel' button.

SAS Deployment Wizard

Select Deployment Task
Select the deployment task you would like to perform.

End User Tasks

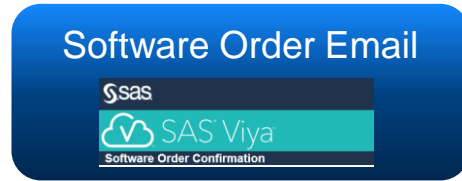
- ☒ **Install SAS software**
Choose this option to install SAS software on this machine.

Administrator Tasks

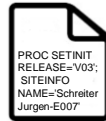
- ☐ **Manage this SAS Software Depot**
Choose this option to manage this SAS Software Depot. You can view SAS software orders with this option.
- ☐ **Create or Add to a SAS Software Depot**
Choose this option to copy an order from this SAS Software Depot to another new or existing SAS Software Depot.

Buttons: Help, < Back, Next >, Cancel

- Ansible ist eine Software für die automatisierte Installation und Konfiguration von verteilten Systemen:
 - Es wird auf einer Maschine installiert und verwaltet sich und alle anderen Maschinen.
 - Arbeitet mit Skripten und führt die dort eingetragenen Schritte auf allen Maschinen aus.
- Warum Ansible?
 - Industriestandard mit großer Community.
 - Es verwendet für die einfach lesbare Skriptsprache die YAML Syntax (ähnlich wie XML):
 - Diese YAML-Dateien nennt man in Ansible Playbooks. Playbooks lassen sich beliebig komplex zusammenstellen.
 - Benutzt den Industriestandard SSH für die Kommunikation mit den Zielsystemen:
 - Es kommt komplett ohne Agenten aus und benötigt auf den Systemen lediglich einen SSH-Server und eine aktuelle Python-Installation.
 - Kann beliebig für jede Art von Softwareautomatisierung eingesetzt werden.



KUNDE



SSL Download

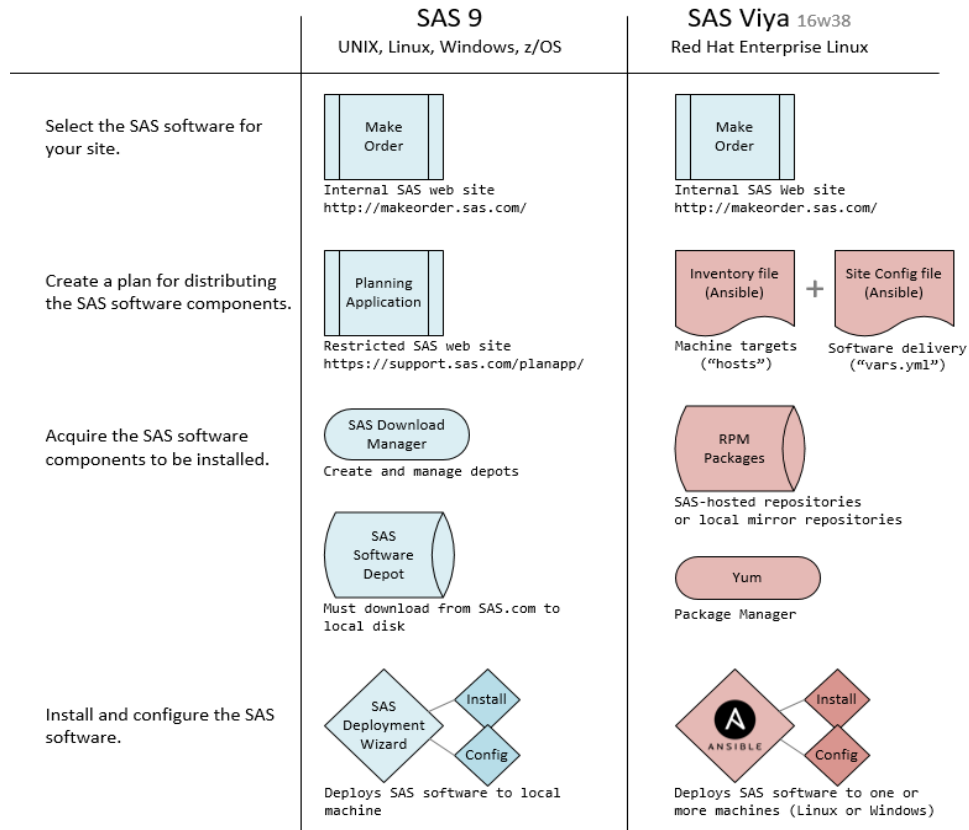


- Linux (RH) mit yum
- Ansible und weitere System Requirements
- Lizenzdatei
- Playbook
- Internetzugang

SAS VIYA DEPLOYMENT

DEMO







THE
POWER
TO KNOW®