



## Kostenlose virtuelle Maschine in der AWS Cloud

Zugriff auf einen kostenlosen virtuellen Windows Server 2019 in der Amazon Elastic Compute Cloud (EC2) für 12 Monate\*. Wer bereits ein AWS Konto besitzt braucht sich nicht mehr zu registrieren. Für die [Registrierung](#) ist eine Kreditkarte erforderlich. Falls jemand die virtuelle Maschine bzw. die Leistungen der Cloud länger in Anspruch nehmen möchte, dem wird der zu zahlende Betrag von der hinterlegten Kreditkarte abgebucht.

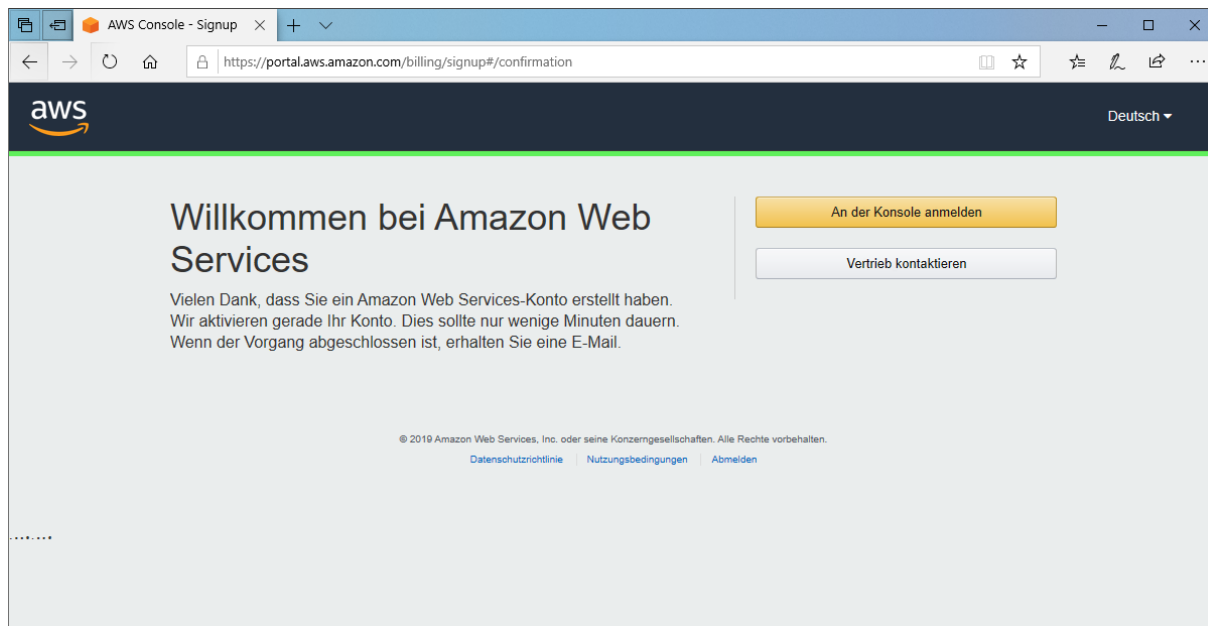
The screenshot shows the AWS Management Console homepage. The main heading is "AWS Management Console". Below it, there is a description: "Über eine einfache und intuitive browserbasierte Benutzeroberfläche können Sie auf Amazon Web Services zugreifen und diese verwalten. Sie können auch die mobile AWS-Konsolen-App verwenden, um Ressourcen unterwegs nachzuverfolgen." A red arrow points to a yellow button labeled "Kostenloses Konto erstellen" (Create free account) in a box titled "Kostenlos bei AWS einsteigen". Below this button is a link "Oder bei der Konsole anmelden" (Or sign in at the console). To the right of the button, there is a text box: "Erhalten Sie 12 Monate lang Zugriff auf das kostenlose Nutzungskontingent von AWS sowie AWS Support-Funktionen der Stufe 'Basic' mit Kundenservice rund um die Uhr, Support-Foren und vielen weiteren Vorteilen." The left sidebar contains navigation links for "PRODUKTE UND SERVICES" (AWS-Konsole, AWS-Konsole - Mobile App, Häufig gestellte Fragen) and "VERWANDTE LINKS" (Dokumentation, Artikel und Tutorials, Entwickler-Tools, Öffentliche Datensätze, Amazon Machine Images (AMIs), Videos und Webinare, Neuerungen). At the bottom, there is a search bar: "Suchen von Services in der AWS-Konsole".

The screenshot shows the AWS sign-up page. The main heading is "Melden Sie sich an". Below it, there is a form for "E-Mail-Adresse Ihres AWS-Kontos". The text says: "Oder um sich als IAM-Benutzer anzumelden, geben Sie Ihre Konto-ID or Ihren Konto-Alias ein." There is an input field and a blue button labeled "Weiter". Below the button, there is a link "Neu bei AWS?". At the bottom, there is a button labeled "Neues AWS-Konto erstellen". To the right of the form, there is a graphic of a laptop with a checkmark and the text: "AWS-Konten beinhalten ein kostenloses Kontingent für 12 Monate. Darin enthalten ist die Nutzung von Amazon EC2, Amazon S3 und Amazon RDS." Below this, there is a link: "Unter aws.amazon.com/de/free finden Sie die vollständigen Angebotsbedingungen." At the bottom, there is a section titled "Informationen zur Anmeldung bei Amazon.com" with a paragraph of text: "Amazon Web Services nutzt Informationen Ihres Amazon.com-Kontos, um Sie zu identifizieren und den Zugriff auf Amazon Web Services zuzulassen. Ihre Nutzung dieser Website unterliegt unseren Nutzungsbedingungen und Datenschutzrichtlinien (siehe die folgenden Links). Ihre Nutzung von Amazon Web Services-Produkten und -Services unterliegt der unten verknüpften AWS-Kundenvereinbarung, wenn Sie mit Amazon Web Services oder einem AWS Value Added Reseller keine eigene Vereinbarung über den Kauf dieser Produkte und Services abgeschlossen haben. Die AWS-Kundenvereinbarung wurde am 31. März 2017 aktualisiert. Weitere Informationen zu diesen Updates finden Sie auf [Künftige Änderungen](#)." The browser address bar shows the URL: "https://signin.aws.amazon.com/signin?redirect\_uri=https%3A%2F%2Fconsole.aws.amazon.com%2Fconsole%2Fhome%3Fstate%31".

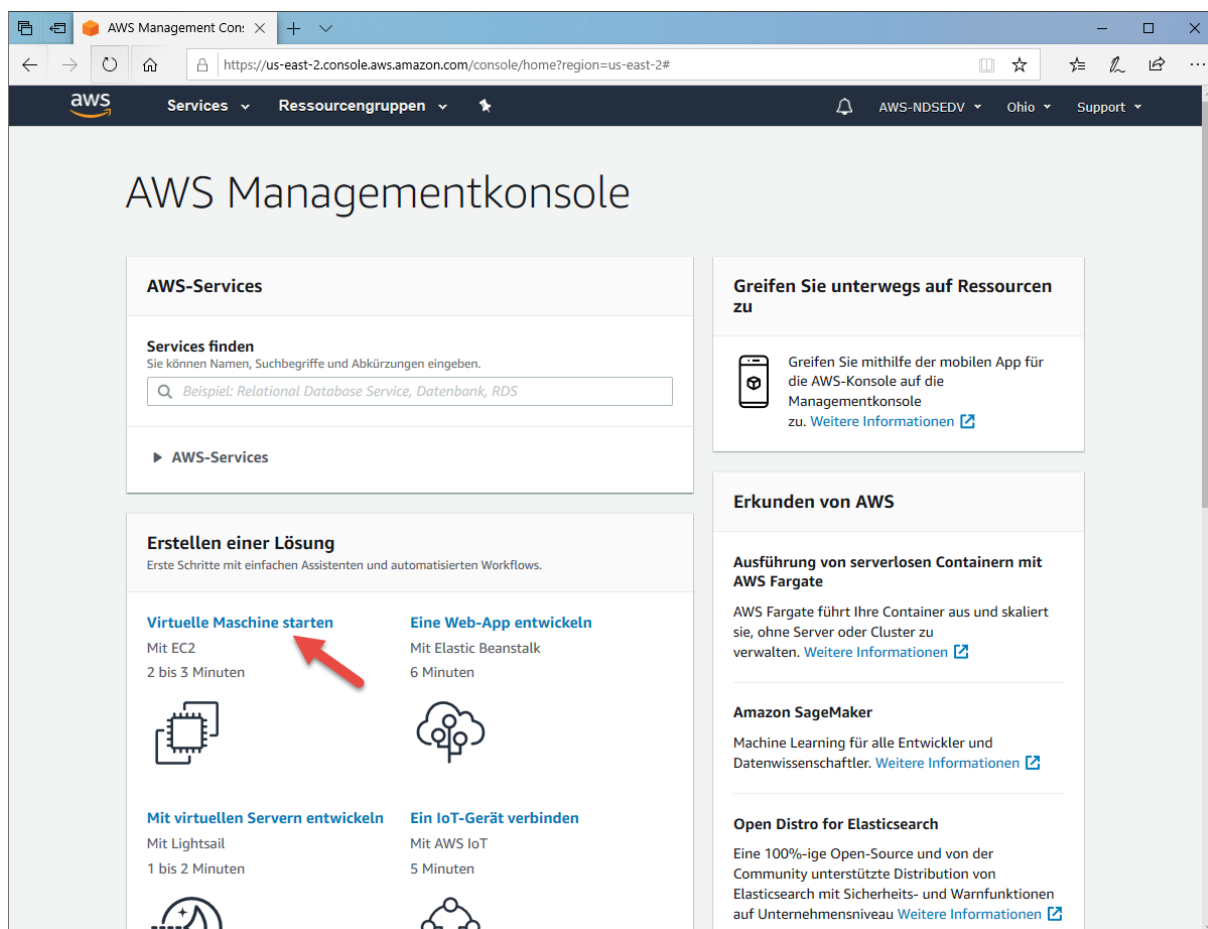


## Kostenlose virtuelle Maschine in der AWS Cloud

Nach der Registrierung melden wir uns an.



Über die AWS Konsole wählen wir > Virtuelle Maschinen starten aus





## Kostenlose virtuelle Maschine in der AWS Cloud

Klicken auf > Launch Instance

The screenshot shows the AWS Management Console interface. The left sidebar contains navigation options like 'EC2 Dashboard', 'INSTANCES', 'IMAGES', 'ELASTIC BLOCK STORE', 'NETWORK & SECURITY', and 'LOAD BALANCING'. The main content area is titled 'Resources' and shows '0 Running Instances', '0 Elastic IPs', '0 Dedicated Hosts', '0 Snapshots', '0 Volumes', '0 Load Balancers', '0 Key Pairs', and '1 Security Groups'. Below this is a 'Create Instance' section with a 'Launch Instance' button highlighted by a red arrow. The 'Service Health' section shows 'US East (Ohio)' with a green checkmark and 'Availability Zone Status' for 'us-east-2a', 'us-east-2b', and 'us-east-2c', all with green checkmarks. The right sidebar shows 'Account Attributes' and 'AWS Marketplace'.

Wählen > Microsoft Windows Server 2019 Base aus

The screenshot shows the 'Launch instance wizard' in the AWS Management Console. The first step is 'Choose an Amazon Machine Image (AMI)'. It lists several AMIs, including 'Ubuntu Server 18.04 LTS (HVM), SSD Volume Type' and 'Microsoft Windows Server 2019 Base'. The 'Microsoft Windows Server 2019 Base' AMI is selected, with a red arrow pointing to its 'Select' button. The wizard also includes a section for 'Are you launching a database instance? Try Amazon RDS.' and a 'Cancel and Exit' button.



# Kostenlose virtuelle Maschine in der AWS Cloud

Klicken im nächsten Schritt auf > Review and Launch

Step 2: Choose an Instance Type

Amazon EC2 provides a wide selection of instance types optimized to fit different use cases. Instances are virtual servers that can run applications. They have varying combinations of CPU, memory, storage, and networking capacity, and give you the flexibility to choose the appropriate mix of resources for your applications. [Learn more](#) about instance types and how they can meet your computing needs.

Filter by: All instance types | Current generation | Show/Hide Columns

Currently selected: t2.micro (Variable ECUs, 1 vCPUs, 2.5 GHz, Intel Xeon Family, 1 GiB memory, EBS only)

	Family	Type	vCPUs	Memory (GiB)	Instance Storage (GB)	EBS-Optimized Available	Network Performance	IPv6 Support
<input type="checkbox"/>	General purpose	t2.nano	1	0.5	EBS only	-	Low to Moderate	Yes
<input checked="" type="checkbox"/>	General purpose	t2.micro <small>Free tier eligible</small>	1	1	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.small	1	2	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.medium	2	4	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.large	2	8	EBS only	-	Low to Moderate	Yes
<input type="checkbox"/>	General purpose	t2.xlarge	4	16	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t2.2xlarge	8	32	EBS only	-	Moderate	Yes
<input type="checkbox"/>	General purpose	t3a.nano	2	0.5	EBS only	Yes	Up to 5 Gigabit	Yes
<input type="checkbox"/>	General purpose	t3a.micro	2	1	EBS only	Yes	Up to 5 Gigabit	Yes

Buttons: Cancel | Previous | **Review and Launch** | Next: Configure Instance Details

Und wieder auf > Launch

Step 7: Review Instance Launch

Please review your instance launch details. You can go back to edit changes for each section. Click **Launch** to assign a key pair to your instance and complete the launch process.

AMI Details: Microsoft Windows Server 2019 Base - ami-0087a83ed4a60d1e9

Instance Type: t2.micro

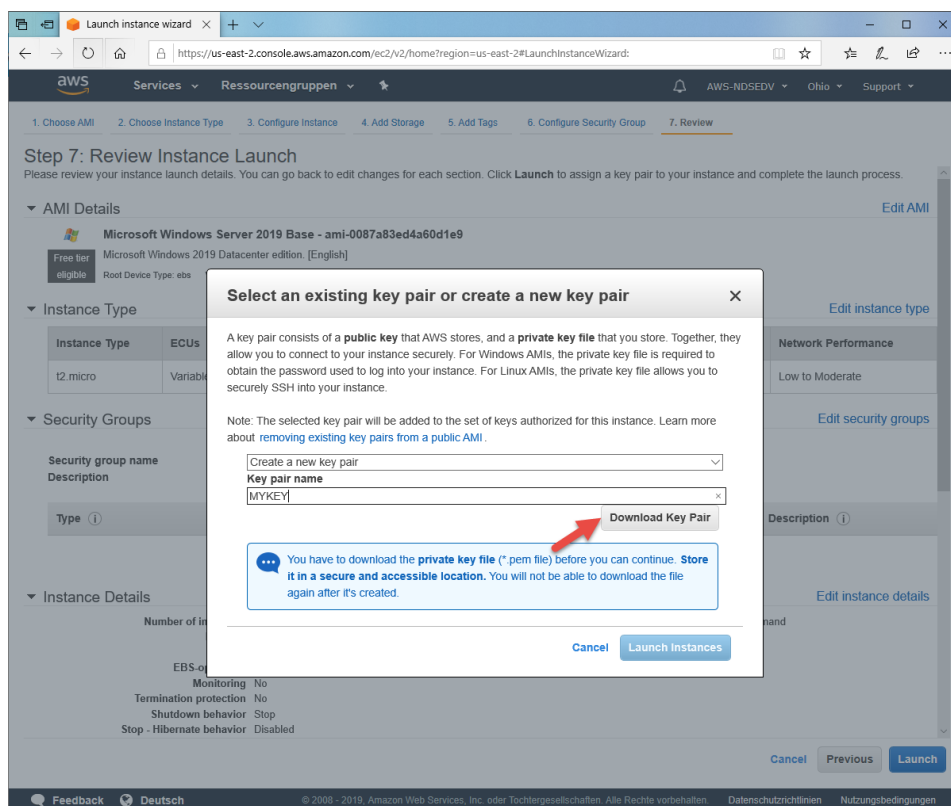
Security Groups: launch-wizard-1

Buttons: Cancel | Previous | **Launch**

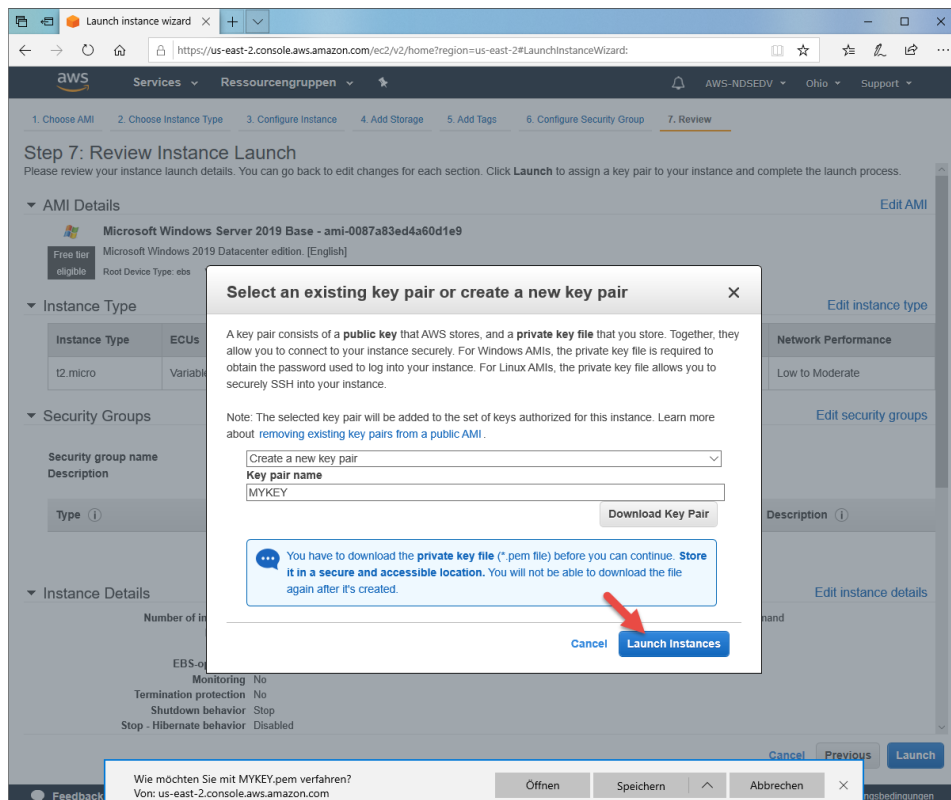


## Kostenlose virtuelle Maschine in der AWS Cloud

Es öffnet sich ein Pop-up Fenster. Für die Anmeldung an die virtuelle Maschine benötigen wir ein neues Schlüsselpaar. Create a new key pair, Name vergeben und Schlüsselpaar downloaden.



Klicken auf > Launch Instances





## Kostenlose virtuelle Maschine in der AWS Cloud

Die Maschine wird im Hintergrund bereits ausgeführt. Klicken nun auf > View Instances.

**Launch Status**

✓ **Your instances are now launching**  
The following instance launches have been initiated: [i-0a15c7a0af176f49e](#) [View launch log](#)

ℹ **Get notified of estimated charges**  
Create [billing alerts](#) to get an email notification when estimated charges on your AWS bill exceed an amount you define (for example, if you exceed the free usage tier).

**How to connect to your instances**

Your instances are launching, and it may take a few minutes until they are in the **running** state, when they will be ready for you to use. Usage hours on your new instances will start immediately and continue to accrue until you stop or terminate your instances.

Click **View instances** to monitor your instances' status. Once your instances are in the **running** state, you can **connect** to them from the Instances screen. [Find out](#) how to connect to your instances.

▼ Here are some helpful resources to get you started

- [How to connect to your Windows instance](#)
- [Amazon EC2: User Guide](#)
- [Learn about AWS Free Usage Tier](#)
- [Amazon EC2: Microsoft Windows Guide](#)
- [Amazon EC2: Discussion Forum](#)

While your instances are launching you can also

- [Create status check alarms](#) to be notified when these instances fail status checks. (Additional charges may apply)
- [Create and attach additional EBS volumes](#) (Additional charges may apply)
- [Manage security groups](#)

[View Instances](#)

Die virtuelle Maschine wird initialisiert und steht nach einem kurzem Moment zur Verfügung.

**EC2 Dashboard**

Launch Instance | Connect | Actions

Filter by tags and attributes or search by keyword

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs
	i-0a15c7a0af176f49e	t2.micro	us-east-2b	running	Initializing	None	ec2-18-217-89-255 us-...	18.217.89.255	-

**Instance: i-0a15c7a0af176f49e** Public DNS: ec2-18-217-89-255.us-east-2.compute.amazonaws.com

**Description** | Status Checks | Monitoring | Tags

Property	Value
Instance ID	i-0a15c7a0af176f49e
Instance state	running
Instance type	t2.micro
Elastic IPs	-
Availability zone	us-east-2b
Security groups	launch-sg2ard-1 <a href="#">view inbound rules</a> <a href="#">view outbound rules</a>
Scheduled events	No scheduled events
Public DNS (IPv4)	ec2-18-217-89-255.us-east-2.compute.amazonaws.com
IPv4 Public IP	18.217.89.255
IPv6 IPs	-
Private DNS	ip-172-31-19-130.us-east-2.compute.internal
Private IPs	172.31.19.130
Secondary private IPs	-
VPC ID	vpc-4fc82624



# Kostenlose virtuelle Maschine in der AWS Cloud

Die Maschine ist bereit.

The screenshot shows the AWS Management Console interface. The top navigation bar includes 'Services', 'Ressourcengruppen', and 'AWS-NIDSEDV'. The left sidebar contains various navigation options like 'EC2 Dashboard', 'INSTANCES', 'IMAGES', 'ELASTIC BLOCK STORE', 'NETWORK & SECURITY', and 'LOAD BALANCING'. The main content area displays a table of EC2 instances. The table has columns for Name, Instance ID, Instance Type, Availability Zone, Instance State, Status Checks, Alarm Status, Public DNS (IPv4), IPv4 Public IP, and IPv6 IPs. One instance is listed with Instance ID 'i-0a15c7a0af176f49e', Instance Type 't2.micro', Availability Zone 'us-east-2b', Instance State 'running', and Status Checks '2/2 checks passed'. A red arrow points to the '2/2 checks passed' status. Below the table, there is a detailed view for the selected instance, showing its Description, Status Checks, Monitoring, and Tags. The instance is identified as 'i-0a15c7a0af176f49e' and is running in the 'us-east-2b' availability zone. The public DNS is 'ec2-18-217-89-255.us-east-2.compute.amazonaws.com' and the public IP is '18.217.89.255'. The VPC ID is 'vpc-4fc82d24'.

Klicken auf > Connect

This screenshot is identical to the one above, showing the AWS Management Console with the EC2 instance in a 'running' state. A red arrow now points to the 'Connect' button in the top navigation bar, which is located next to the 'Launch Instance' button. The rest of the interface, including the instance table and the detailed view below, remains the same.





## Kostenlose virtuelle Maschine in der AWS Cloud

Laden uns das bereits vorkonfigurierte .rdp File herunter.

The screenshot shows the AWS Management Console interface. A modal dialog titled "Connect To Your Instance" is open. The dialog contains the following text:

You can connect to your Windows instance using a remote desktop client of your choice, and by downloading and running the RDP shortcut file below:

**Download Remote Desktop File** (button with red arrow)

When prompted, connect to your instance using the following details:

- Public DNS** ec2-18-217-89-255.us-east-2.compute.amazonaws.com
- User name** Administrator
- Password** **Get Password** (button with red arrow)

If you've joined your instance to a directory, you can use your directory credentials to connect to your instance.

If you need any assistance connecting to your instance, please see our [connection documentation](#).

**Close** (button)

The background shows a table of instances with the following data:

Name	Instance ID	Instance Type	Availability Zone	Instance State	Status Checks	Alarm Status	Public DNS (IPv4)	IPv4 Public IP	IPv6 IPs
	i-0a15c7a0af176f49e	t2.micro	us-east-2b	running	2/2 checks ...	None	ec2-18-217-89-255.us-...	18.217.89.255	-

Danach klicken wir auf > Get Password

This screenshot is identical to the one above, but the red arrow now points to the "Get Password" button in the "Password" field of the "Connect To Your Instance" dialog box.





## Kostenlose virtuelle Maschine in der AWS Cloud

Verweisen auf das zuvor heruntergeladene Schlüsselpaar.

The screenshot shows the AWS Management Console interface. A modal dialog box titled "Connect To Your Instance > Get Password" is open. It displays the following information:

- Key Name: MYKEY.pem
- Key Pair Path: [Empty text box]
- Buttons: "Durchsuchen...", "Decrypt Password", "Back", "Close"

A red arrow points to the "Durchsuchen..." button. Below the dialog box, a table lists instance details:

Description	Status Checks	Monitoring	Tags
Instance ID	i-0a15c7a0af17649e		
Instance state	running		
Instance type	t2.micro		
Elastic IPs			
Availability zone	us-east-2b		
Security groups	launch-wizard-1. view inbound rules. view outbound rules		
Scheduled events	No scheduled events		

Additional instance details are shown on the right side of the console, including Public DNS (IPv4), IPv4 Public IP, IPv6 IPs, Private DNS, Private IPs, Secondary private IPs, and VPC ID.

Und entschlüsselt dieses über > Decrypt Password

The screenshot shows the same AWS Management Console interface. The modal dialog box "Connect To Your Instance > Get Password" is open. The "Key Pair Path" field is now filled with the path: "C:\Users\Joern\Walter\De...". A red arrow points to the "Decrypt Password" button.

Below the dialog box, the same instance details table is visible:

Description	Status Checks	Monitoring	Tags
Instance ID	i-0a15c7a0af17649e		
Instance state	running		
Instance type	t2.micro		
Elastic IPs			
Availability zone	us-east-2b		
Security groups	launch-wizard-1. view inbound rules. view outbound rules		
Scheduled events	No scheduled events		

The right side of the console also shows the same instance details as in the previous screenshot.



## Kostenlose virtuelle Maschine in der AWS Cloud

Dieses Passwort benötigen wir für die Authentifizierung.

The screenshot shows the AWS Management Console interface. A modal dialog titled "Connect To Your Instance" is open, providing connection details for an EC2 instance. The instance details are as follows:

Property	Value
Public DNS	ec2-18-217-89-255.us-east-2.compute.amazonaws.com
User name	Administrator
Password	!123

The dialog also includes a "Download Remote Desktop File" button and a "Close" button. The background shows the EC2 instance details page with a table of instance information:

Description	Status Checks	Monitoring	Tags
Instance ID	i-0a15c7a0af176f49e		
Instance state	running		
Instance type	t2.micro		
Elastic IPs			
Availability zone	us-east-2b		
Security groups	launch-wizard-1		
Scheduled events	No scheduled events		

Doppelklick auf das heruntergeladene .rdp File und Verbinden klicken

The screenshot shows a Windows "Remotedesktopverbindung" (Remote Desktop Connection) dialog box. It displays a warning message: "Der Herausgeber dieser Remoteverbindung kann nicht identifiziert werden. Möchten Sie die Verbindung trotzdem herstellen?" (The publisher of this remote connection cannot be identified. Do you want to establish the connection anyway?). Below the warning, it shows the connection details:

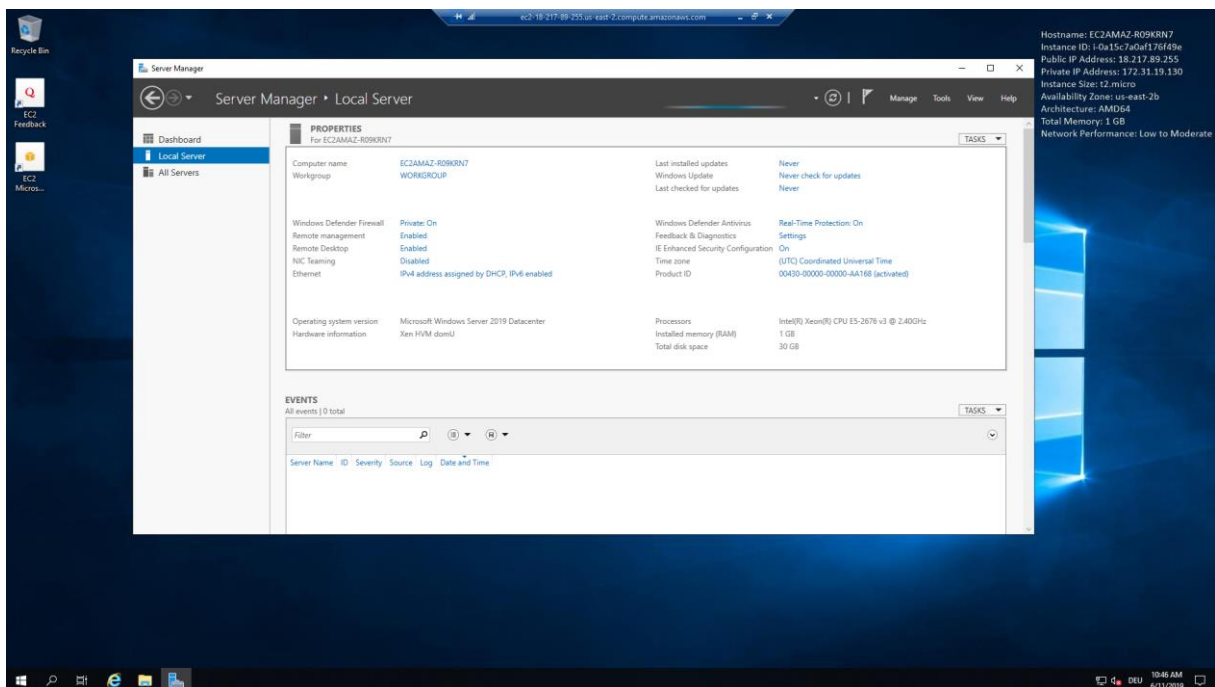
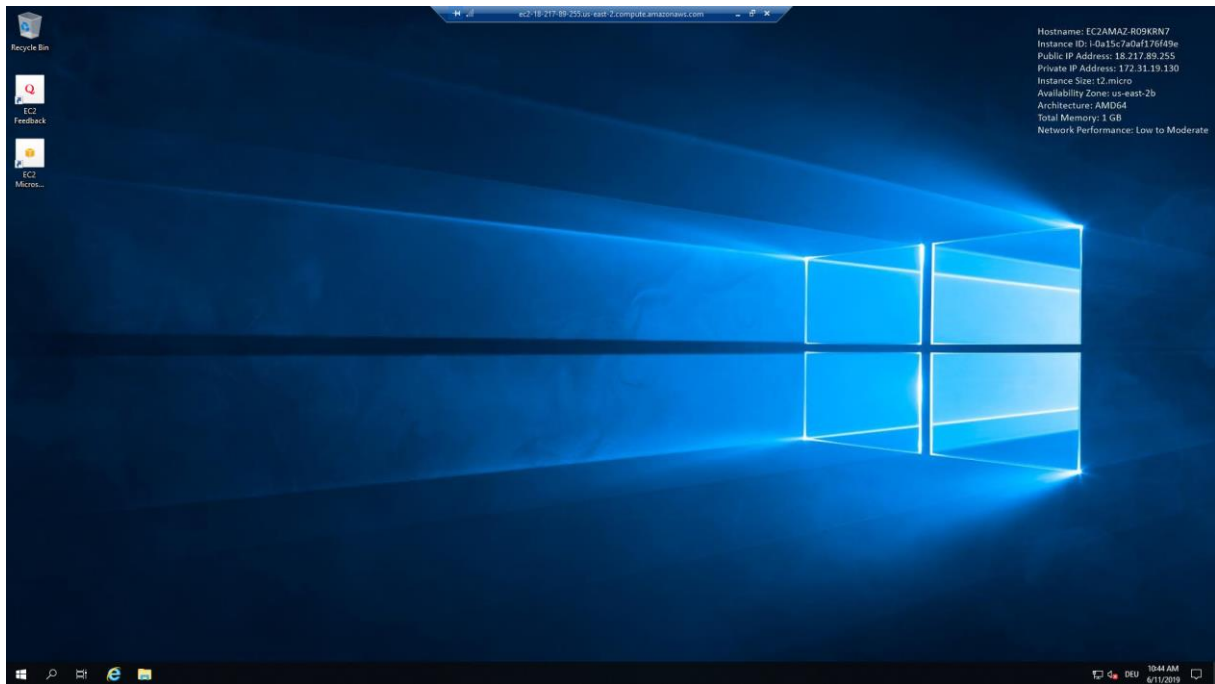
Herausgeber:	Unbekannter Herausgeber
Typ:	Remotedesktopverbindung
Remotecomputer:	ec2-18-217-89-255.us-east-2.compute.amazonaws.c...

At the bottom, there is a checkbox for "Nicht erneut nach Verbindungen mit diesem Computer fragen." (Do not ask me again about connections to this computer) and two buttons: "Verbinden" (Connect) and "Abbrechen" (Cancel).



## Kostenlose virtuelle Maschine in der AWS Cloud

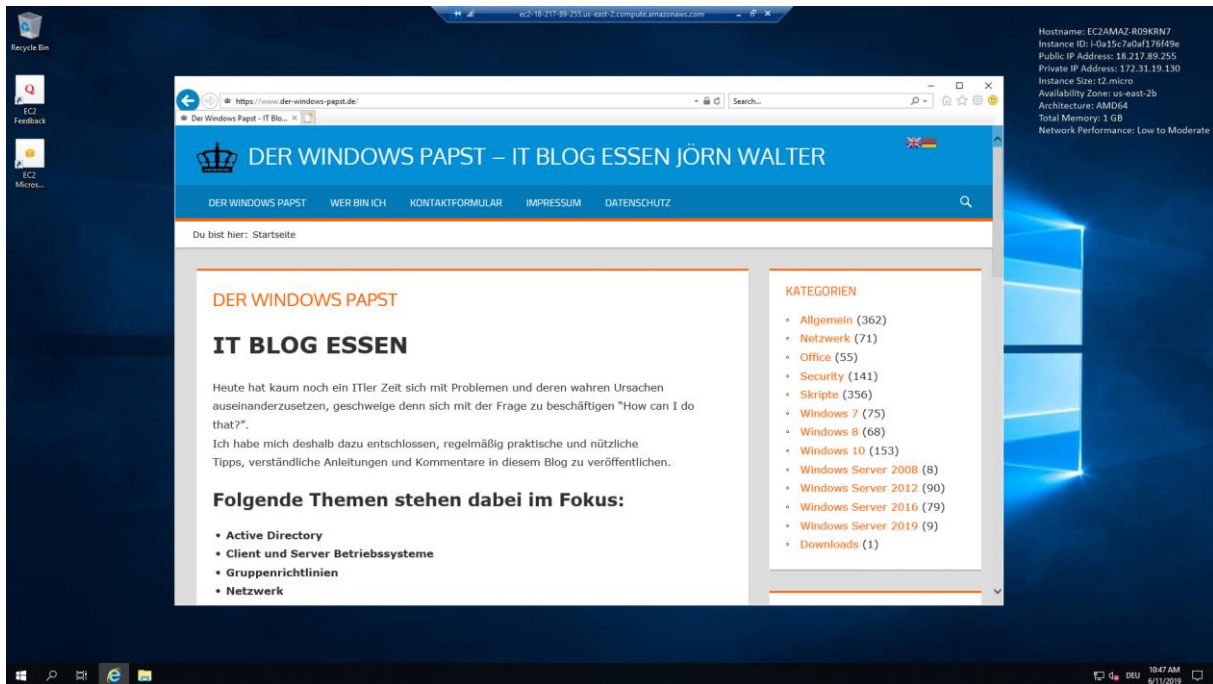
Die Maschine ist recht flott. Weitere Merkmale sehen wir oben rechts.





## Kostenlose virtuelle Maschine in der AWS Cloud

Viel Spaß wünscht DER WINDOWS PAPST



\*750 Stunden pro Monat für 1 Jahr.

Link:

<https://aws.amazon.com/de/console/>