Installing SentryOne for use on AWS EC2

A user guide compiled by James Holden, Technical Training Specialist, SentryOne

As more and more businesses move their database servers to the cloud, we have seen an increase in customers interested in hosting SentryOne on and monitoring EC2 instances.

To address the growing need to provide assistance in getting monitoring up and running successfully, I put together the following step by step guide.

The guide is divided into several parts:

- Part 1: Spinning up your EC2 instances
- Part 2: Preparing for installation of SentryOne
- Part 3: Completing the SentryOne installation
- Part 4: Successfully monitoring additional EC2 instances

Let's begin with Part 1:

Part 1: Spin up an instance that will be hosting the SentryOne components and a target instance to monitor:

a. Click on 'Launch a virtual machine' with EC2



b. Click on the 'advanced EC2 Launch Instance wizard' link



Quick Launch an EC2 Instance

Amazon EC2 provides virtual machines in the AWS cloud, known as EC2 instances.

This quick launch wizard lets you create an EC2 instance with AWS-recommended default configuration. If you need more options or fine-grained control over instance parameters, please use the advanced EC2 Launch Instance wizard.



c. Select an Amazon Machine Image (AMI)



d. Select your instance type then click 'Review and Launch'

| 0 | General purpose | t2.2xlarge | 8 | 32 | EBS only | | Moderate |
|---|-----------------|-------------|----|------|-------------|-----------------|-------------------|
| | General purpose | m4.large | 2 | 8 | EBS only | Yes | Moderate |
| | General purpose | m4.xlarge | 4 | 16 | EBS only | Yes | High |
| | General purpose | m4.2xlarge | 8 | 32 | EBS only | Yes | High |
| | General purpose | m4.4xlarge | 16 | 64 | EBS only | Yes | High |
| | General purpose | m4.10xlarge | 40 | 160 | EBS only | Yes | 10 Gigabit |
| | General purpose | m4.16xlarge | 64 | 256 | EBS only | Yes | 20 Gigabit |
| | Conoral purpasa | m) modium | | 0.75 | 4 - 4 (000) | | Madamia |
| | | | | | | Cancel Previous | Review and Launch |

e. Edit the security group as follows, select 'Review and Launch', and then 'Launch'

| | Assign a security group: Security group name: Description: | Create a new security group Setect an existing security group SentryOne SG SentryOne | | | You can restrict access later |
|----------------|--|--|--|--------------------|-------------------------------|
| Туре 🕕 | | Protocol () | Port Range () | Source (i) | |
| MS SQL | ¥ | TCP | 1433 SQL Server | Custom • 0.0.0/0 | 8 |
| RDP | ¥ | TCP | 3389 Remote Desktop | Custom • 0.0.0/0 | 8 |
| Custom TCP Ru | ule 🔻 | TCP | 135 WMI | Custom • 0.0.0/0 | 0 |
| Custom TCP Ru | ule • | TCP | 445 Windows Performance Counter Acces | Custom • 0.0.0.0/0 | 8 |
| Custom TCP Ru | ule • | TCP | 49152-65535 Dynamic Ports for use with WMI | Custom • 0.0.0/0 | 0 |
| Add Rule | | | | | |
| A War Rules | ning s with source of 0.0.0.0/0 allow | all IP addresses to access your instance. We recommend setting security gro | up rules to allow access from known IP addresses only. | | |

Please note that you can edit this security group later to lock down access by specific IP addresses.

f. Choose to create a new key pair, give it a name, click on 'Download Key Pair', click 'Launch Instances', and then click 'View Instances' on the next screen.

| Select an existing key pair or create a new key pair | × | | | |
|---|------------------|--|--|--|
| A key pair consists of a public key that AWS stores, and a private key file that you store. Together they allow you to connect to your instance securely. For Windows AMIs, the private key file is require to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you securely SSH into your instance. | r, ed i to | | | |
| Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about removing existing key pairs from a public AMI. | ž | | | |
| Create a new key pair | | | | |
| Key pair name | | | | |
| A key pair consists of a public key that AWS stores, and a private key file that you store. Together, they allow you to connect to your instance securely. For Windows AMIs, the private key file is required to obtain the password used to log into your instance. For Linux AMIs, the private key file allows you to securely SSH into your instance. Note: The selected key pair will be added to the set of keys authorized for this instance. Learn more about removing existing key pairs from a public AMI. Create a new key pair Key pair name SentryOne Vou have to download the private key file (*.pem file) before you can continue. Store it in a secure and accessible location. You will not be able to download the file again after it's created. | | | | |
| Download Key Pair | r | | | |
| You have to download the private key file (*.pem file) before you can continue. Store it in a secure and accessible location. You will not be able to download the file again after it's created. Cancel Launch Instances | | | | |

g. Right click on your instance and click 'Connect'

| Launch Instance | Connect Actions * | |
|----------------------|---|--------|
| Q Filter by tags and | attributes or search by keyword | |
| Name | ▼ Instance ID ▼ Instance Type ▼ Availability Zone | - Ins |
| | i-0164e068e6abc5445 m4.large Get Windows Password Launch More Like This | 1 |
| | Instance State Instance Settings |)) |

h. Click on 'Get Password'

| Connect To Your In | stance | × |
|--|--|-----|
| You can connect to your Wind downloading and running the | ows instance using a remote desktop client of your choice, and by RDP shortcut file below: | |
| | Download Remote Desktop File | |
| When prompted, connect to ye | our instance using the following details: | |
| Public DNS | ec2-54-191-94-246.us-west-2.compute.amazonaws.com | |
| User name | Administrator | |
| Password | Get Password | |
| If you've joined your instance | to a directory, you can use your directory credentials to connect to y | our |

i. Find your Key Pair that you downloaded earlier and select 'Decrypt Password'

| Connect To Your Instance > Get Password | × |
|---|-------------|
| The following Key Pair was associated with this instance when it was created. | |
| Key Name SentryOne.pem | |
| In order to retrieve your password you will need to specify the path of this Key Pair on y machine: | our local |
| Key Pair Path Choose File No file chosen | |
| Or you can copy and paste the contents of the Key Pair below: | |
| Decry | pt Password |
| Bac | k Close |

j. Copy your Password and click 'Download Remote Desktop File'

| You can conr downloading | nect to your Wind and running the | lows instance using a remote desktop client of your choice, and by RDP shortcut file below: |
|-----------------------------|--------------------------------------|---|
| | | Download Remote Desktop File |
| When promp | ted, connect to y | our instance using the following details: |
| | Public DNS | ec2-54-191-94-246.us-west-2.compute.amazonaws.com |
| | User name | Administrator |
| | Password | UAgrUI=v)IWQTQSIptf@zI=2%y34%INT |
| If you've joine instance. | ed your instance | to a directory, you can use your directory credentials to connect to you |
| If you need a | ny assistance co | nnecting to your instance, please see our connection documentation. |

k. Connect and log into your new instance



I. To launch an EC2 instance to be monitored, Just click on 'Launch Instance' from the EC2 screen



You can now follow the same steps above with one exception. When it comes to Part 1 - e above, you can just choose to use an existing security group and choose the one we created initially then click 'Review and Launch' and 'Launch'.

| Assign a security group: OCreat | a new security group | |
|---------------------------------|-----------------------------------|----------------------------|
| Select | an existing security group | |
| Security Group ID | Name | Description |
| sg-ce6626ab | default | default VPC security group |
| sg-0324d478 | SentryOne SG | SentryOne |

Part 2: Preparing for installation of SentryOne

a. Right click on the Windows button and select 'Computer Management'



| 🌆 Computer Management | | | | _ | |
|---|--|--|--|--------------|---------|
| File Action View Help | | | | | |
| 🗢 🄿 🙍 🖬 🙆 🖬 | | | | | |
| 🜆 Computer Management (Local 🛛 _{Na} | me Full Name | Description | | Actions | |
| ✓ [™] System Tools > (P) Task Scheduler | Administrator | Built-in account for | r administering | Users | |
| > 🛃 Event Viewer | Guest | A user account mar Built-in account for | raged by the s r guest access t | More Actions | • |
| ✓ ▲ Local Users and Groups | MSSQLSERV, MSSQLSER | VER01 Local user account | for execution | | |
| Sers Vew User | SQLSERV MSSQLSER | VER03 Local user account | for execution | | |
| > Pert View | SQLSERV MSSQLSER SQLSERV MSSQLSER | VER04 Local user account VER05 Local user account | for execution for execution | | |
| V Storage Refresh | SOLSERV MSSOLSER | VER06 Local user account | for execution | | |
| > Win Export List | SQLSERV MSSQLSER | VER07 Local user account VER08 Local user account | for execution for execution | | |
| > 🛃 Service Help | SQLSERV MSSQLSER | VER09 Local user account | for execution | | |
| | MSSQLSERV MSSQLSER MSSQLSERV MSSQLSER MSSQLSERV MSSQLSER MSSQLSERV MSSQLSER | VER10 Local user account IVER11 Local user account IVER12 Local user account IVER13 Local user account | for execution for execution for execution for execution | | |

b. Add new user (we will be setting up the monitoring service account here)

c. Make sure that the Password never expires (unless your policy's dictate otherwise)

| pressiona | | | | |
|------------------|---------------------|----------|------|----|
| New User | | | ? | × |
| User name: | jholden | | | |
| Full name: | | | | |
| Description: | | | | |
| Password: | ••••• | •• | | |
| Confirm password | •••••• | •• | | |
| User must cha | inge password at ne | xt logon | | |
| User cannot o | hange password | | | |
| Password nev | er expires 🛛 🔶 🚽 | | | |
| Account is dis | abled | | | |
| | | | | |
| | | | | |
| Help | | Create | Clos | se |

d. Add the account as a member of the Windows Administrators Group

| Computer Management | | | _ | X |
|---------------------------------------|--|----------------------------------|--------------|---|
| File Action View Help | | | | |
| 🗢 🄿 🙍 📅 🧟 🗟 | | 1 | | |
| Ecomputer Management (Local | Name | Description | Actions | |
| V 👔 System Tools | Access Control Assist | Members of this group can remot | Groups | |
| > 🕑 Task Scheduler | Administrators | Administrators have complete an | More Actions | |
| Shared Folders | Backup Operators | Backup Operators can override se | | |
| V 👰 Local Users and Groups | A Certificate Service DC | Members of this group are allowe | | |
| 🛛 📋 Users 📕 | Representation of the second s | Members are authorized to perfor | | |
| 🧮 Groups | A Distributed COM Users | Members are allowed to launch, a | | |
| > 🔊 Performance | Event Log Readers | Members of this group can read e | | |
| 📇 Device Manager | A Guests | Guests have the same access as m | | |
| · · · · · · · · · · · · · · · · · · · | 🜆 Hyner-V Δdministrators | Members of this group have com | 1 | |

e. Add the account as a sysadmin for the SQL Server instance (dbcreator role if you are not going to be monitoring the SentryOne host server – Not Recommended).

Note: The SQL Server and Agent services must be started prior to this.



| 🔒 Login - New | | | _ | | × |
|------------------------------|---|-----------------------------|---|-------|---|
| Select a page | 🔄 Script 🔻 📑 Help | | | | |
| Server Roles User Mapping | Login name: [holden | | | Searc | h |
| 🚰 Status | SQL Server authentication | | | | |
| | Password: | ••••• | | | |
| | Confirm password: | ••••• | | | |
| | Old password: | , , | | | |
| | User must change pass | ation word at next login | | | |

f. Make sure to change the server properties to set security to SQL Server and Windows Authentication mode and restart the SQL Server Service.

| 🔋 Server Properties - EC2AMA | Z-QGG557F | _ | | × |
|---|--|----|----|-------|
| Select a page Page General | 🔄 Script 🔻 🛐 Help | | | |
| Memory Processors Security Connections Database Settings Advanced Permissions | Server authentication Windows Authentication mode SQL Server and Windows Authentication mode Login auditing None Failed logins only Successful logins only Both failed and successful logins Server proxy account | | | |
| Connection | Enable server proxy account | | | |
| Server: EC2AMAZ-QGG557F | Proxy account: Password: | | | |
| Connection: EC2AMAZ-QGG557F\Administrator | Options | | | |
| View connection properties | Enable C2 audit tracing Cross database ownership chaining | | | |
| Progress | | | | |
| Ready | | | | |
| | | ОК | Ca | ancel |

Part 3: Completing the SentryOne installation

a. Download the installation package from your portal account (<u>https://sentryone.com/myaccount/login</u>)

Downloads

| Product | Version | Build | Released | Size | Lipks |
|-------------------------|---------|-----------|------------|-----------|-------------------------|
| SentryOne Unified Setup | 11.0 | 11.0.87.0 | 03/02/2017 | 142 MB | x86 x64 Change List |
| Plan Explorer | 3 | 11.0.84.0 | 01/16/2017 | 20 MB | x86 x64 Change List |

b. Launch the setup and select 'Next'



c. Accept the license terms and click Next

| SentryOne 11.0 Setup | |
|---|---|
| End-User License Agreement Please read the following license agreement carefully | Sentry On |
| SOFTWARE END USER LICENSE AGREEMENT | ^ |
| SQL Sentry, LLC. 8936 NorthPointe Executive Park Dr. Suite 200 Huntersville, North Carolina 28078 | |
| Ph: (704) 895-6241 Fax: (704) 895-8771 SQL Sentry, LLC, a Delaware limited liability comp hereby grants the end user licensee ("Customer" | oany ("SQL Sentry"), or "Licensee") of the |
| Products and Customer hereby accepts from SC | ۵L Sentry a İimited, _✔ |
| Print Back | Next Cancel |

d. Since we are choosing to add all of the components of SentryOne on this server, we can just select the Next button

| 🔀 SentryOne 11.0 S | etup | | - | | × |
|-----------------------------------|---|--------------------------------------|--|-------------------------------|------|
| Custom Setup Select the way yo | u want features to be installe | ed. | Sen | try <mark>C</mark> |)ne. |
| Click the icons in t | he tree below to change the | way features w | ill be installed. | | |
| | entryOne 11.0 Client Monitoring Service Documentation SNMP MIBs | This featu hard driv- subfeatu | ure requires OK e. It has 4 of 4 res selected. T | B on your | |
| Location: | C: \Program Files \SentryOne | subfeatu | res require 303 | 3MB on yo. B <u>r</u> owse | |
| Re <u>s</u> et | Disk <u>U</u> sage | <u>B</u> ack | <u>N</u> ext | Cano | cel |

e. Here we will enter the server name, the name we want the database to be called, and we will click the Test button

| 🕼 SentryOne 11.0 Setup | × |
|--|--|
| SentryOne 11.0 Database Account In Specify SQL Server name, database name, ar for the SentryOne 11.0 database. | formation nd credentials SentryOne. |
| SQL Server Name | Database Name |
| Authentication Mode | |
| Windows Authentication SQL Server Authentication | |
| User Name | Password Test |
| | Back Next Cancel |

f. Once successfully connected, we can click the 'OK' button and then the 'Next' button to proceed

| 🔀 SentryOr | ne 11.0 Setup | | > | < |
|------------------------------------|---|-------------------------------|---------------------|----------|
| SentryOn Specify S for the S | QL Server name, database name, a entryOne 11.0 database. | nformation and credentials | SentryOne |) |
| SQL Serve | r Name | Database Na | me | |
| EC2AMA | 🖟 SentryOne 11.0 Setup | | × | |
| Authentic Windo SQL S | You have selected to create a Click Next to continue. | new SentryOne da | itabase. | |
| User Name | 2 | Password | | |
| | | | Test | |
| | | | Test | |
| | [| <u>B</u> ack | <u>N</u> ext Cancel | |

g. Here we enter the monitoring service account we created in Part 2 above and click the 'Test' button

| 🕼 SentryOne 11.0 Setup | | - | | × |
|--|---|---|------|------|
| Service Account Information Specify the account information for the SentryOne 11.0 Monitoring Service |) | Sent | tryC |)ne. |
| Please enter the Windows user account for the SentryOn Service. The user MUST have sysadmin privileges on all m instances, and MUST be a Windows Administrator on each order to use performance features. See the "Quick Start on security requirements. User Name (Ex. Domain\User): | ne 11.0 Mo nonitored S h monitore Guide" for | onitoring SQL Server ed server in more detai | is | |
| EC2AMAZ-LVP0I4R \jholden | | | |] |
| Password: | | ×. | | |
| •••••• | | | |] |
| | | | | 1 |
| | | | Test | |
| | | | | |
| Back | N | ext | Cano | tel |

h. Once the validation has succeeded, we can click the 'OK' and 'Next' buttons

| 🚼 SentryOr | ne 11.0 Setup | _ | |
|--|--|-------------------------|-----------------------|
| Service A Specify t Monitorin | ccount Information he account information for the SentryOne 11.0 g Service | Sent | ry <mark>One</mark> . |
| Please ent Service. T | er the Windows user account for the SentryOne 11.0 M ne user MUST have sysadmin privileges on all monitored | onitoring SQL Server | |
| instances, order to u on securit | 🖟 SentryOne 11.0 Setup | > | < |
| | Service account validation succeeded. | | |
| User Nam EC2AMA2 Password | OK | | |
| | | | Test |
| | Back | Vext | Cancel |

i. We can now click the 'Install' button to finish the installation



j. Once the installation finishes, we can select the 'Finish' button to open up the SentryOne client and finish the Setup Wizard



k. Click the 'Continue' button



I. Click the 'Paste license' button and paste in the license that should have been sent to you and click 'Save'

License Configuration

It looks like a license is not configured. Please provide a valid license by pasting or loading it from a file.



Please provide a valid license. If you need a license for evaluation, or to purchase the full product, contact sales@sentryone.com.

License Configuration

Please paste the license into the space below and click Save.

WatchedApsApplianceConnections><WatchedAzureSqlDbConnections Value="0" Type="System.Int32"><Custom><LicenseUnits Value="0" Type="System.String" ></LicenseUnits></Custom></ WatchedAzureSqlDbConnections><WatchedOracleConnections Value="0" Type="System.Int32"><Custom><LicenseUnits Value="0" Type="System.String" ></LicenseUnits></Custom></ WatchedOracleConnections><WatchedSharePointConnections Value="0" Type="System.Int32"><Custom><LicenseUnits Value="0" Type="System.String" ></LicenseUnits></Custom></ WatchedSharePointConnections><WatchedSqlDataWarehouseConnections Value="0" Type="System.Int32"><Custom><LicenseUnits Value="0" Type="System.String" ></LicenseUnits></Custom></ WatchedSqlDataWarehouseConnections><WatchedSqlServerConnections Value="5" Type="System.Int32"><Custom><LicenseUnits Value="0" Type="System.String" ></LicenseUnits></Custom></ WatchedSqlServerConnections><WatchedSsasConnections Value="0" Type="System.Int32"><Custom><LicenseUnits Value="0" Type="System.String" ></LicenseUnits></Custom></ WatchedSsasConnections><WatchedTaskSchedulerConnections Value="0" Type="System.Int32"><Custom><LicenseUnits Value="0" Type="System.String" ></LicenseUnits></Custom></ WatchedTaskSchedulerConnections><IsSubscriptionLicense Value="False" Type="System.Boolean" ></ lsSubscriptionLicense></Custom><StandbyHardwareKeys xmlns="" ></StandbyHardwareKeys></Object><, Signature></LicenseFile> Save

m. Enter in your user information and click the 'Save' button

Tell Us More About Yourself

We create users in SentryOne so that you can do things like assign issues to people and configure alerts.

We've pulled this name and email from the license you provided. If this isn't you, please update the information so that SentryOne can send you notifications. You can add additional users later.

| Email address | jholden@sentryone.com | |
|--------------------------|-----------------------|--|
| First name (Optional) | Jim | |
| | Holden | |

n. Configure your SMTP Server (check the radio button and select the 'Save' Button

Enable Email Alerts

When things go wrong you want to know about them.

SentryOne can send email alerts to you, but first we need to know a little information about the email server you want to use. If you don't know the answer, don't worry, you can always set it up later.

Configure my own SMTP Server now.

O Not Now



o. Enter your information and click on the 'Save' button

| Enable | Email Alerts |
|---|--|
| Please provide the address of your SMTP server and | the "from address" you'd like to use for the alert email: |
| You can always set this up at a later time, but skippin | g this step means that no alerts will be emailed. |
| | _ Security (Optional) |
| SMTP Server address 123@sentryone.com | User name stuff&things |
| Email from address Alerts@sentryone.com | Password ••••••• |
| ☑ Enable SSL | If your SMTP Server is security enabled we'll need some credentials. (Optional) |
| Custom port number 587 | |
| | Test Save |

p. Select the severity level for your Advisory Conditions to be emailed to you and click the 'Save' button

Advisory Conditions

Advisory Conditions is a powerful feature of SentryOne that allows you to define scenarios for which you want to be alerted, or execute an automated action.

You can create just about any condition you can think of, completely tailored to your environment! We've included a great selection of **default Advisory Conditions** to get you started.

We've categorized the default Advisory Conditions based on severity.

Which severity conditions would you like emailed to you?

| ✓ Critical | ✓ High | 🗌 Medium | Low |
|------------|--------|----------|------|
| | | | Save |

q. If you have a cloud.sentryone.com account you can enter it here, or create a new one by choosing the options below (I will skip this for now).

cloud.sentryone.com

cloud.sentryone.com provides secure access to your performance data from anywhere in the world using a browser or mobile device.

You can use this feature to share your performance data with consultants, partners, or just other members of your team who may not have access to the SentryOne Client.

Through cloud.sentryone.com, you can also download additional advisory conditions via the Condition Exchange, and even share your own creations.

To get started, you need a SentryOne Cloud account. This only records your cloud configuration, and synchronizes your advisory conditions so you can share them across installations.

It will not synchronize any performance data or events without your permission.

Create account

Sign into existing account

r. Click on the 'Let's Go!' button here



Give us a few seconds to get everything configured.

The information you have provided will help give you the best user experience.

Once everything is configured, we'll start off by helping you add your first target.



Monitor • Diagnose • Optimize



s. Now it is time to add our first target to be monitored. I'm going to choose our SentryOne server here

| S1 Add Target | | | | - | _ | | × |
|--|---------|--------------------------------------|-----------|----------|-----|-------|---|
| Please select the type of target | Feat | ture Availability | | | | | |
| SQL Server 🔹 | Fe | eature | Results | Details | | | |
| Please enter the name of the target | ~ | Monitoring Service: Default 9 | ite: EC2A | MAZ-LVPO | [4R | | |
| | | Monitoring Service Available | 0 | ОК | | | |
| | | Windows Dashboard | Ŷ | Unknown | | | |
| Instance Name (leave blank for default instance) | | Windows Processes | Ŷ | Unknown | | | |
| | | Disk Activity | Ŷ | Unknown | | | |
| Port | | Disk Space | Ŷ | Unknown | | | |
| | | Windows Performance Counters | Ŷ | Unknown | | | |
| Use Integrated Authentication | | Validate Core-Based License | Ŷ | Unknown | | | |
| Credentials | | VMware Site Compliance | Ŷ | Unknown | | | |
| User Name | | | | | | | |
| | | | | | | | |
| Password | | | | | | | |
| | | | | | | | |
| N. Advanced Options | | | | | | | |
| » Auvanceu Opuons | | | | | | | |
| | | | | | | | |
| | | | | | | | |
| | | | | 1 | | | |
| | Click ' | "Connect" to find the feature availa | bility | | | | |
| | | | | | | | |
| | | Connect | | Next | | Cance | |

Click the 'Next' button here

| S1 Add Target | | | | | | _ | | × |
|--|----------------------------------|--------|---------------------------------------|-------------|----------|---|-------|----|
| Please select the type of target | F | | | | | | | |
| SQL Server 🔹 | | Fea | ature | Results | Details | | | |
| Please enter the name of the target | Monitoring Service: Default Site | | 5ite: EC2A | MAZ-LVPO | I4R | | | |
| | | | Monitoring Service Available | 0 | ОК | | | |
| Technic Citro (and black for defendation and) | | | Windows Dashboard | • | ОК | | | |
| Instance Name (leave blank for default instance) | | | Windows Processes | • | ОК | | | |
| | | | Disk Activity | 0 | ОК | | | |
| Port | | | Disk Space | 0 | ОК | | | |
| | | | Windows Performance Counters | 0 | ОК | | | |
| Use Integrated Authentication | | | Validate Core-Based License | \circ | N/A | | | |
| Credentials | | | VMware Site Compliance | \circ | N/A | | | |
| User Name | | | | | | | | |
| | | | | | | | | |
| Password | | | | | | | | |
| | | | | | | | | |
| N. Advanced Online | | | | | | | | |
| » Advanced Options | | | | | | | | |
| | | | | | | | | |
| | Se | elect | Site | | | | | |
| | De | efau | It Site (Full Access) | | | | | - |
| | Cli | ick "1 | Next" to add this target with full fe | ature avail | ability. | | | |
| | | | | | | | | |
| | | | Retry | | Next | | Cance | el |

The server is now being added

| Fask | Description | Duration | % Complete | State | Message | Last Result | Last Success Time | |
|-------------------------------|-------------------------------------|--------------|------------|---------|-----------------------|-------------|---------------------|--|
| V 💺 EC2AMAZ-LVP0I4R | 2 Running, 0 Errors, 0 Cancelled | | | | | | | |
| ✓ | 2 Running, 0 Errors, 0 Cancelled | | | | | | | |
| 🥔 Event Manager W | Tracks phases for newly watche | 00:00:21.203 | | Running | Attempting to connect | | | |
| Performance Advis | Tracks phases for newly watche | 00:00:21.193 | | Running | Attempting to connect | | | |
| 📌 Performance Advisor | Tracks phases for newly watche | 00:00:14.750 | | Idle | | Completed | 2017-03-31 14:20:00 | |
| 🛷 Initialize Target | Initializes and collects data for t | 00:00:10.770 | | Idle | | Completed | 2017-03-31 14:20:00 | |
| Message Attempting to connect | | | | | | | | |
| | | | | | | | | |

Initialization has been completed and the server can now be monitored

| S1 Watch Status for 2 Instances | | | | | | | - 0 | × |
|---------------------------------|-------------------------------------|--------------|------------|-----------|---------|-------------|----------------|---------|
| Task | Description | Duration | % Complete | State | Message | Last Result | Last Success T | īme |
| V Net EC2AMAZ-LVP014R | 0 Running, 0 Errors, 0 Cancelled | | | | | | | |
| V = EC2AMAZ-LVP014R | 0 Running, 0 Errors, 0 Cancelled | | | | | | | |
| 瓣 Event Manager W | Tracks phases for newly watche | 00:00:25.483 | | Idle | | Completed | 2017-03-31 14 | 4:20:14 |
| Performance Advis | Tracks phases for newly watche | 00:00:30.257 | | Completed | | Completed | 2017-03-31 14 | 4:20:19 |
| 📌 Performance Advisor | Tracks phases for newly watche | 00:00:14.750 | | Idle | | Completed | 2017-03-31 14 | 4:20:03 |
| 瓣 Initialize Target | Initializes and collects data for t | 00:00:10.770 | | Idle | | Completed | 2017-03-31 14 | 4:20:00 |
| Message | | | * | | | | | |
| | | | | | | ~ | | • |
| | | | | | | × * | | - |
| Export | | | | | | Ope | n O | К |

Part 4: Successfully monitoring additional EC2 instances

- a. Because I am monitoring an EC2 Instance that is a Workgroup, I will install a monitoring service and client on the target server. The process of installation is the same as Part 3 above with a couple of exceptions
 - 1. In the custom setup screen, I will only select the Client and the monitoring service from the list by choosing to disable the Documentation and the SNMP MIBs

| Custom Setup | | | | |
|----------------------|--|----------|-------------------|----|
| Select the way yo | u want features to be installed. | enti | ry <mark>0</mark> | n |
| Click the icons in t | he tree below to change the way features will be ins | stalled. | | |
| | entryOne 11.0 Client Monitoring Service Documentation | ion | | |
| | Will be installed on local hard drive Entire feature will be installed on local har | d drive | pu | r |
| | Feature will be installed when required | | | e. |
| | X Entire feature will be unavailable | - | Browse | |
| | | _ | DIOWSC: | |
| Reset | Disk Usage Back Ne | xt | Cance | el |

2. In the database account information screen, I will use the public DNS name for the workgroup and use SQL Authentication to connect to the SentryOne database

| 记 SentryOne 11.0 Setup | × |
|---|------------------------|
| SentryOne 11.0 Database Account Info Specify SQL Server name, database name, and for the SentryOne 11.0 database. | credentials SentryOne. |
| SQL Server Name | Database Name |
| 2-148-34.us-west-2.compute.amazonaws.com | SentryOne |
| Authentication Mode | |
| O Windows Authentication | |
| SQL Server Authentication | |
| User Name | Password |
| jholden | •••••• |
| | Test |
| | Back Next Cancel |

3. In the service account information screen, I will use the local account that we created for the SentryOne monitoring service to use

| 🖟 SentryOne 11.0 Setup | _ | | × |
|---|---|--------------------|-----|
| Service Account Information Specify the account information for the SentryOne 11.0 Monitoring Service | Sent | try <mark>0</mark> | ne. |
| Please enter the Windows user account for the SentryOne 11.0 Mo Service. The user MUST have sysadmin privileges on all monitored s instances, and MUST be a Windows Administrator on each monitore order to use performance features. See the "Quick Start Guide" for on security requirements. User Name (Ex. Domain\User): | onitoring SQL Server ed server in r more detai | s | |
| EC2AMAZ-QGG557F\jholden | | | |
| Password: | | | |
| ••••• | | | |
| | | Test | |
| Back N | ext | Cance | el |

4. Once the installation completes, I have unchecked the box marked 'Launch SentryOne Client on exit', and then clicked 'Finish'. The reason for this is that we need to run the client as Administrator when we first connect to the server where the client is running.



b. We will now want to right click on the SentryOne client icon and choose the 'Run as administrator option'



c. Once the client opens, we can expand the Monitoring Services folder under the Default Site in the Navigator pane and we will see both of our monitoring services



d. We can now create a separate site for our target to keep it separated from our SentryOne site (I right click and renamed from Default Site to SentryOne). I will call this new site Target.



e. Now I can click and drag the monitoring service that we added on our target and drop it into the new site



f. From here, we can add our new target by right clicking on the Target site and choosing to Add SQL Server.



| S1 Add SQL Server Target | | | | | | _ | | × | |
|--|-----|------------------------------|-------------------------------------|---------------------|-----------|----|-------|---|--|
| Please enter the name of the target | F | eati | ure Availability | | | | | | |
| EC2AMAZ-QGG557F | | Feature | | Results | Details | | | | |
| Instance Name (leave blank for default instance) | Þ | Monitoring Service: SentryOn | | ne: EC2AM | IAZ-LVPOI | 4R | | - | |
| | | | Monitoring Service Available | 0 | ОК | | | | |
| | | | Windows Dashboard | Ŷ | Unknown | | | | |
| Port | | | Windows Processes | Ŷ | Unknown | | | | |
| ✓ Use Integrated Authentication | | | Disk Activity | Ŷ | Unknown | | | | |
| Credentials | | | Disk Space | Ŷ | Unknown | | | | |
| User Name | | | Windows Performance Counters | Ŷ | Unknown | | | ≡ | |
| | | | Validate Core-Based License | Ŷ | Unknown | | | | |
| Descured | | | VMware Site Compliance | Ŷ | Unknown | | | | |
| Password | | ~ | Monitoring Service: Target: E | et: EC2AMAZ-QGG557F | | | | | |
| | | | Monitoring Service Available | 0 | ОК | | | | |
| » Advanced Options | | | Windows Dashboard | Ŷ | Unknown | | | | |
| | | | Windows Processes | Ŷ | Unknown | | | | |
| | | | Disk Activity | Ŷ | Unknown | | | | |
| | | | Disk Space | °, | Unknown | | | | |
| | | | Windows Performance Counters | Ŷ | Unknown | | | - | |
| | Cli | ick "(| Connect" to find the feature availa | bility. | Next | | Cance | 1 | |

g. We can now add the new server (same process as Part 3 – s above)

I hope that you have found this useful.

Happy monitoring!