Activate instance

> **Activation is required**
>
> Any new **ActiveServer** instance needs to be activated before it can process authentication requests.

To activate the ActiveServer instance:

1. Purchase a license from GPayments

You will need to purchase a license from GPayments to access the MyAccount features for activating your instance. For further details, please contact us at sales@gpayments.com.

2. Setup your instance

Follow the Quickstart Guide and ensure your ActiveServer instance is set up and you can access the administration interface.

3. Configure the External URL and Auth API URL

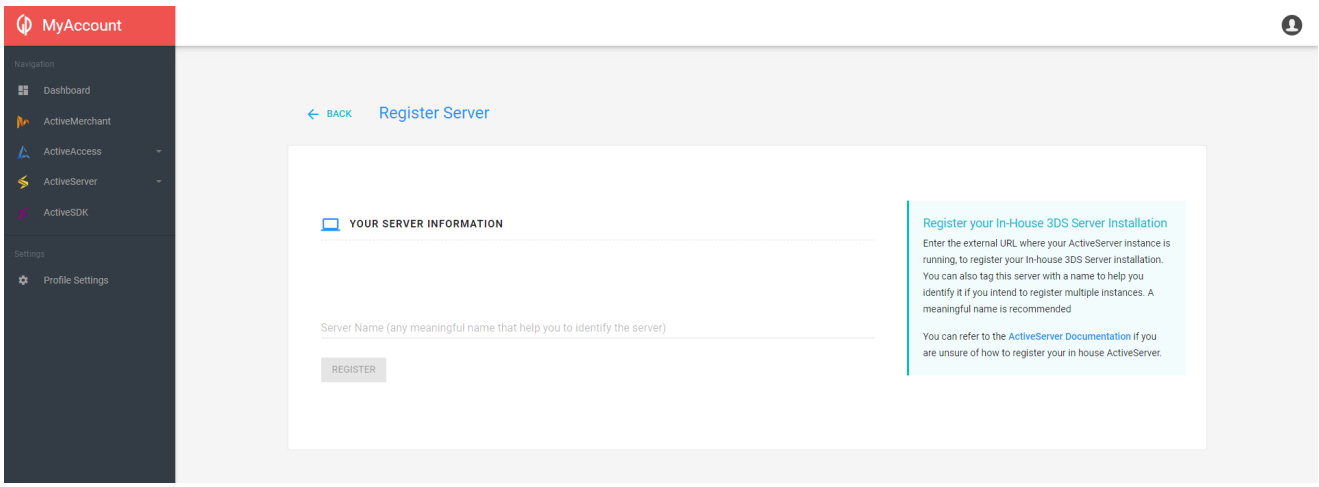
1. On the administration interface, navigate to **Settings > System** and enter the **External URL** and **Auth API URL** values
    - **External URL** - publicly accessible URL in which your ActiveServer instance is running and you have configured to listen on the `as.server.https.port`. Note that depending on your load-balancing setup your **External URL** may not not have the port number included e.g. `https://admin.myserverinstance.com`.
    - **API URL** - URL used to receive authentication and administration API calls. The domain name of this URL will also be used to generate client certificates for the authentication of APIs (x.509). If it is not provided by default **ActiveServer** will use the domain name in the External URL for client certificate generation. Note this URL does not have to be publicly accessible. The form of the URL is the same as the **External URL**, with the port number being the API port.

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2. Select the ***Save*** button.

4. Register server and choose an Activation Method

1. Login to MyAccount. If you have purchased a license from GPayments, you should already have access to the ActiveServer section.
2. Select **ActiveServer > My Instances** on the side menu.
3. Select ***ADD NEW SERVER***. You should see a screen similar to the one below, which displays the input field for the **Server Name**.



4. Select ***REGISTER***. You should see the server information displayed that was just entered, along with the **Activation State**. If you made a mistake and would like to remove this instance, select ***REMOVE***.
5. Select ***ACTIVATE 3DS SERVER***. You will be asked to choose one of the activation methods below:

OPTION 1: Activation using session

If you choose this method, make sure the **External URL** you specified in the previous step is publicly accessible.

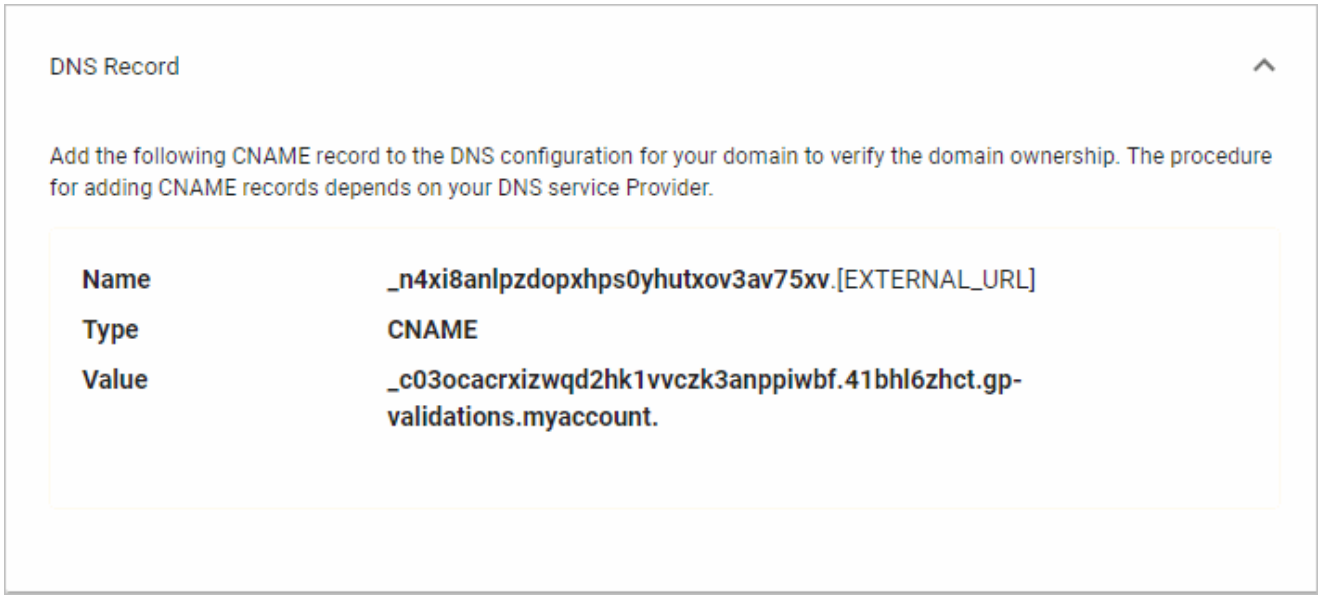
The licensing server will make a request to this **External URL** to verify that your instance is running on the **External URL** you have specified and activate the instance.

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OPTION 2: Activation using DNS

This activation process activates your ActiveServer instance by verifying the `CNAME` record generated by GPayments' licensing server.

You should see a DNS record similar to the one below:



To create a DNS record:

a. Go to your domain's DNS records.

b. Add a record to your DNS settings, selecting CNAME as the record type.

c. Copy the value of **Name**, which in the above screenshot is `_n4xi8anlpzdopxhps0yhutxov3av75xv` , and paste it to **Label/Host/Name** in the DNS record depending on your domain host.

d. Copy the value of **Value**, which in the above screenshot is `_c03ocacrxizwqd2hk1vvczk3anppiwbf.41bhl6zhct.gp-validations.myaccount.` , and paste it to **Destination/Target/Value** depending on your domain host.

e. Save your record. The **CNAME** record changes can take up to 72 hours to take effect, but typically they happen much sooner.

> **Note**
>
> Your domain host is typically where you purchased your domain name (e.g. AWS Route 53, GoDaddy®, Enom®, or Name.com).

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6. Select the data elements to be sent to the licensing server by either choosing to send all data elements, or customise the data elements sent:

Transaction data (core): Information that is required for billing purposes, mandatory (or conditional) to send.

ID	Name	Mandatory	Group	Comments
ADE001	Directory Server Type	Y	Core	Used to track if the authentication request was sent to a Production or GPayments TestLabs' directory server.
ADE002	3DS Server Transaction Id	Y	Core	ID assigned by the 3DS Server to a transaction, used for cross referencing a transaction if a billing dispute arises.
ADE003	SDK Transaction Id	C	Core	Conditional: Only assigned for SDK transactions, must be provided if a value is present, used for cross referencing a transaction if a billing dispute arises.
ADE004	ACS Transaction Id	Y	Core	ID assigned by the ACS to a transaction, used for cross referencing if a billing dispute arises.
ADE005	Transaction Status	Y	Core	The transaction status, can be "Y" or "A" or "N", etc. This is used to determine the final transaction status for billing purposes (i.e. error occurred during transaction).
ADE006	Transaction Status Reason	C	Core	Conditional: Reason for transaction failing, assists with identifying the exact reason for failure for billing purposes, must be provided if a value is present (i.e. transaction has failed).
ADE007	Transaction Start Time	Y	Core	Transaction start time, required when determining the billing cycle.
ADE008	Transaction End Time	C	Core	Conditional: Transaction end time, could be null if the transaction failed or terminated earlier, required if available.

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Transaction data (extended): Information that is optional, unless conditionally required for billing purposes. Opting in to this information will allow GPayments to share anonymous industry insights with participating clients.

ID	Name	Mandatory	Group	Comments
ADE009	Payment Network	N	Extended	Payment network used for the transaction, e.g. American Express, China UnionPay, Discover, JCB, Mastercard, Visa, etc. Optional for clients to provide, unless billing structure requires this information.
ADE010	Device Channel	N	Extended	Device used for the transaction, e.g. BRW, APP, 3RI. Optional for clients to provide, unless billing structure requires this information.
ADE011	Authentication Type	N	Extended	Authentication type used for the transaction e.g. NPA (Non-payment) or PA (Payment). Optional for clients to provide, unless billing structure requires this information.
ADE012	Merchant Id	C	Extended	The internal Merchant ID (not acquirer assigned ID). Conditional for clients to provide if billing structure requires this information, used for Licensing Server to determine the size of the payment gateway (By calculating distinct merchant IDs).
ADE013	Merchant Acquirer Id Index	C	Extended	The index number of the Acquirer Merchant ID of the Merchant. Conditional for clients to provide if billing structure requires this information, used for Licensing Server to determine the size of the payment gateway (By calculating distinct merchant IDs).

Tech support data (core): Information used by GPayments for troubleshooting and planning purposes, required to send unless conditionally not available on instance server.

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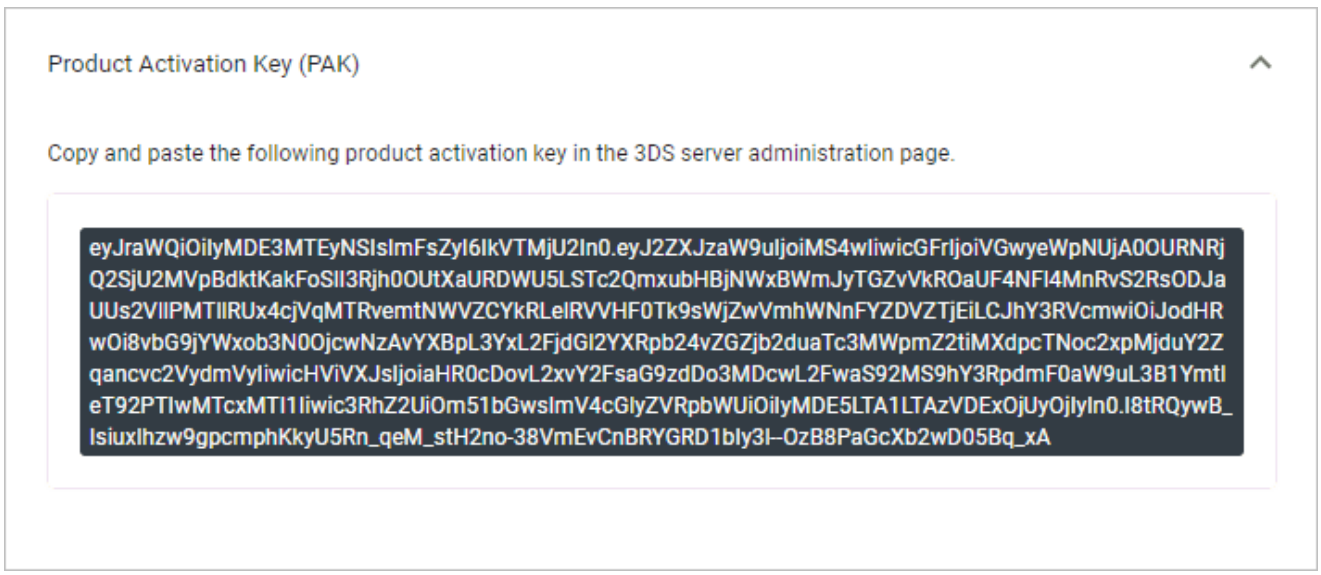
ID	Name	Mandatory	Group	Comments
AD001	ActiveServer Version	Y	Core	Version of ActiveServer, e.g. v1.0
AD002	OS Name	C	Core	Name of the OS, e.g. Ubuntu
AD003	OS Version	C	Core	Version of the OS, e.g. 16.04.5 LTS
AD004	Database Name	C	Core	Name of the database e.g. MySQL
AD005	Database Version	C	Core	Version of the database e.g 5.7
AD006	Java Edition and Version	C	Core	Edition of version of Java used e.g. OpenJDK 1.8.120
AD007	Node Count	C	Core	Number of nodes for the instance e.g. 2

7. Review the information provided to activate the instance and select ***BACK*** if any changes are required, otherwise select ***FINISH***.

5. Activate

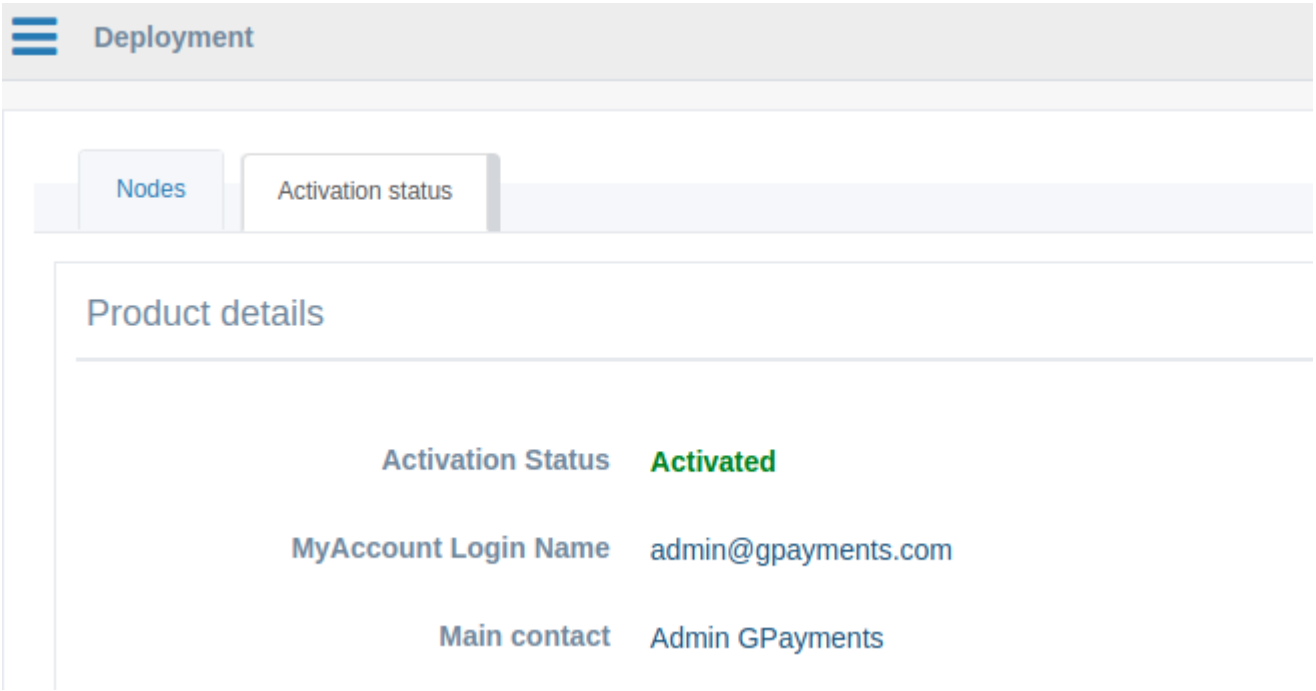
You should see a product activation key (PAK), similar to the one below.

1. Copy this value to your clipboard to use shortly.



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2. Go back to your ActiveServer dashboard, navigate to **Deployment > Activation Status** to fill in the details from MyAccount:
    - **MyAccount Login Name:** Email address registered for the account activating the instance.
    - **PAK:** Product activation key, which you have copied to your clipboard.
3. Select the ***ACTIVATE*** button. The **Activation Status** will change to *Waiting to restart* if successful.
4. **Restart** your instance for the changes to take effect and the activation process to complete. The screenshot below shows an example **Activation status** in section `Deployment` -> `Activation status` on Administration UI after restart.



Success

Congratulations! You've successfully activated your **ActiveServer** instance.

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