



Microsoft Azure Subscription License Business Logic

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Microsoft Azure Subscription

Business Logic

This document containing an explanation of the business logic for implementing Microsoft Azure Subscription license in SoftTrend Marketplace:

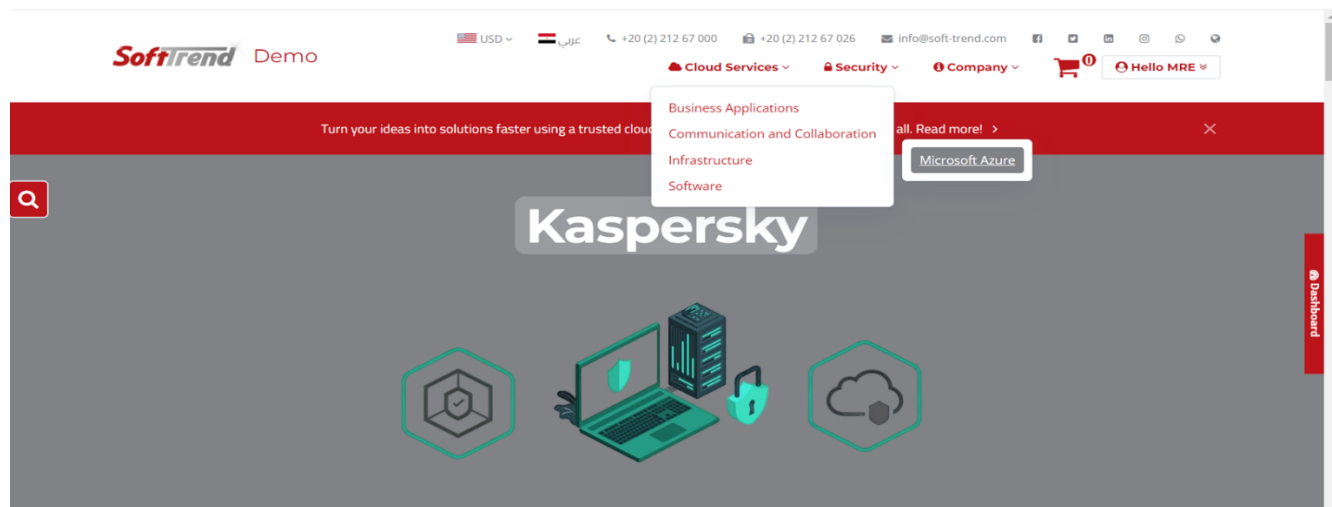
Overview:

This feature allows users to view and try Microsoft Azure directly from our marketplace. Microsoft Azure subscription is usage-based subscription model that called pay as you go subscription, this model concept is the customer consume the service as he need to help your organization meet your business challenges.

How It Works:

1. Viewing License:

- When users browse our marketplace, they can subscribe to Microsoft azure license.
- So From navigation bar you can choose Cloud services => Infrastructure => Microsoft azure (**see Figure 1**), a screen shot from the Marketplace, this the first step to go to subscribe Microsoft Azure.



(Figure 1)

- Microsoft Azure subscription is usage-based subscription model that called pay as you go subscription, so you can start process of subscription by clicking on “Subscribe” in (**see Figure 2**), a screen shot from the Marketplace.

What is Azure?

Microsoft Azure is an ever-expanding set of cloud services to help your organization meet your business challenges. It's the freedom to build, manage, and deploy applications on a massive, global network using your favorite tools and frameworks.

Azure Pay As You Go

Subscribe

(Figure 2)

When a user clicks the "**Subscribe**" button for a Microsoft Azure in the Marketplace, the process goes through several steps to ensure the paid and is activated successfully:

Step 1 Validation Process:

1. Checking for user authentication:

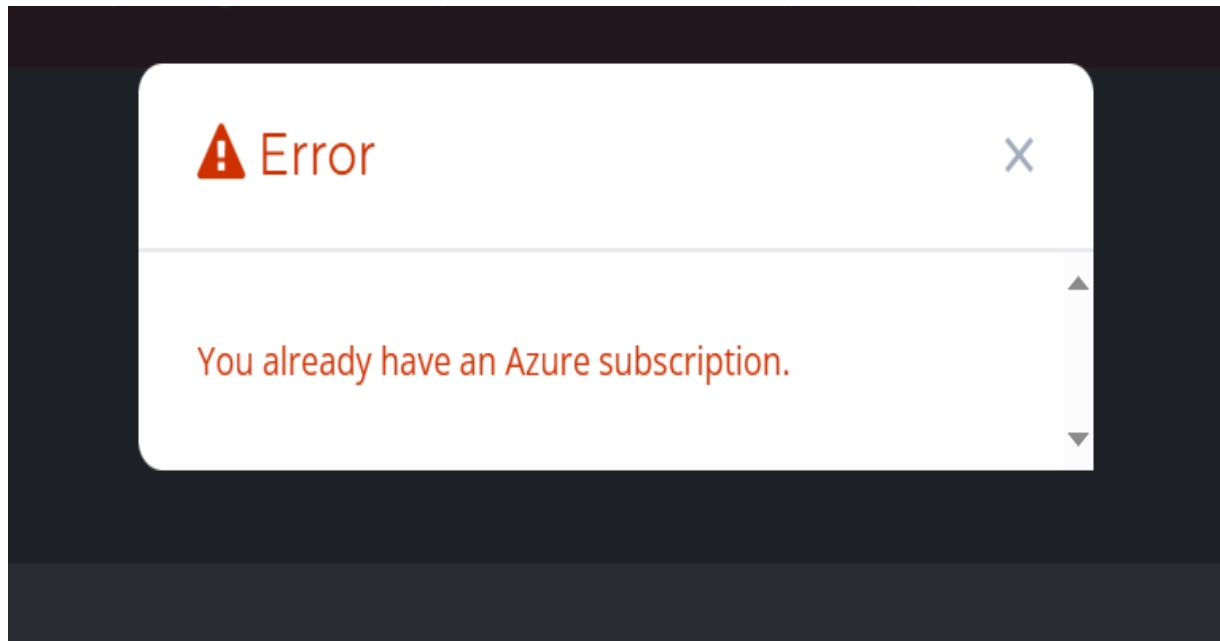
- Checks user logged in or have an account on marketplace
- If not, it will go back him to the login page to login or create account.

2. Checking for a Microsoft Account:

- The system first checks if the user's company has a Microsoft Tenant Domain (essentially, if they have a Microsoft account connected to their business).
- If not, the user is shown an error message asking them to create one by registering through a link.

3. Checking for Azure Subscription:

- The system Checks if user has Azure Subscription or have azure order with status in progress in his cart.
- If the user already has azure, the user is shown an error message that you already have azure as shown in **(Figure 3)**.



(Figure 3)

4.Checking for numbers of Subscriptions:

- The system Checks if user has 5 or more Subscriptions for sandbox accounts.
- If the user exceeds this number, the user is shown an error message that

"You have exceeded maximum number of Sandbox subscriptions
(5 Subscriptions)

2. What Users Will See:

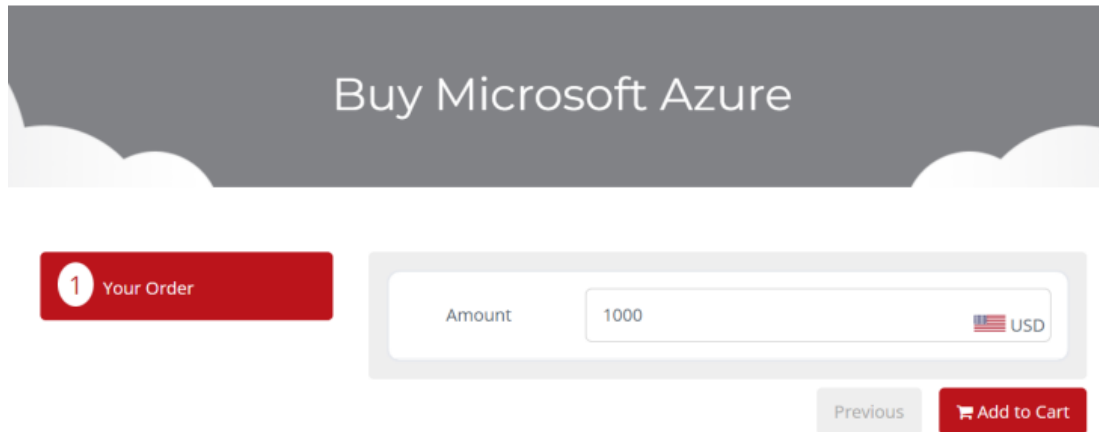
- **Logged-In Users with a Microsoft Tenant ID and don't have Azure subscription or order Azure in cart with status in progress:**

They can immediately start the process by clicking the "Subscribe " button.

- **Not Logged-In Users:** They'll be prompted to register or log in first, then follow the process to start the subscription.
- **Not Logged-In Users with a Tenant ID:** They'll back to log in first, then follow the process to start the subscription.
- **Logged-In Users without a Tenant ID:** They'll be asked to register their Tenant ID (required by Microsoft) before starting the process of subscription.
- **Logged-In Users already have Azure subscription:** if they click on "Subscribe", They'll see message that they already have Azure subscription (**see Figure 3**).
- **Logged-In Users already have more than 5 subscriptions:** if they click on "Subscribe", They'll see message that they already have 5 subscriptions but this in Sandbox Version.

3. Confirming the subscription:

- If everything is fine, after “Subscribe” users asked to enter the amount or the price that he wants to pay and click on Add to Cart successfully as shown in (see **Figure 4**), a screen shot from the Marketplace.





The screenshot displays a web interface for purchasing Microsoft Azure. At the top, a dark gray banner with white clouds contains the text "Buy Microsoft Azure". Below this, on the left, is a red button labeled "1 Your Order". To the right is a light gray form box. Inside the form, there is a label "Amount" followed by a text input field containing the number "1000". To the right of the input field is a currency selector showing a US flag and the text "USD". Below the form box, there are two buttons: a gray "Previous" button and a red "Add to Cart" button with a shopping cart icon.

(Figure 4)

3. Adding the License to the Cart:

- After user enter the amount, the system prepares to add it to the user's shopping cart.
- The amount added to the cart and the shopping cart will contain the vendor, product description, price and quantity.
- then check with Microsoft partner center to confirm country code to get the branch that user finalize with.
- and display payment methods to the user to choose from and after that user can check out the order.
- User also can remove the item from the cart.
- as shown in (see **Figure 5**), a screen shot from the Marketplace.

Review your Cart

Vendor	Product Description	Quantity	Price	Total
 Microsoft 365 Business Premium Vendor : Microsoft Order Type : New Best for businesses that need all the apps and services included in Business Standard plus advanced cyber threat protection and device management. For businesses with up to 300 employees.	6	264.00 USD	1,584.00 USD	

Please choose the branch you will use to transfer payment and receive invoice from

Branch SoftTrend EGY (VAT:14.00%)

Payment Method

☐ Cash
☐ Cheque
☐ Wire Transfer

☒ **Paypal**

Total 1,584.00 USD

VAT (14.00%) 221.76 USD

Final Total 1,805.76 USD

(Figure 5)

4. Completing the Order:

- If everything is fine, the system proceeds to the checkout phase.
- The System will redirect the user to the order details page (**see Figure 6**) a screen shot from the Marketplace.
- It creates an order record that includes all the necessary details like the license offer, quantity, price, and order status.
- so, if the user chooses to pay Cash or cheque or wire transfer in this case status will be pending and waiting admin approval to finalize it to be in progress then completed.
- and if he chooses to pay from his balance from the wallet, the balance will deduct from the wallet and the order status will be in progress and will be completed after 10 minutes.

(see Figure 6)

Order Number

SANDBOX-ORD-1-USD-272

Print Order

Order#

SANDBOX-ORD-1-USD-272

Branch: SoftTrend EGY (EG)

Customer: MRE BRAND

Address: kornesh elnile , admin, cairo, maadi, 12345, Egypt

Order Date: 13/10/2024

Order Time: 10:26:41 AM

Currency: USD

Payment Date: 13/10/2024

Payment Time: 11:33:20 AM

Payment Method: Cash

Order Status: InProgress

Payment Status: Paid

IT Advisor: ahmed anwar

Item	Description	Quantity	Price	Total
Azure Plan	Pay As You Go Azure Plan Offer - \$1200 <ul style="list-style-type: none">Vendor: MicrosoftOrder Type: NewBilling Cycle: Monthly	1	1,200.00 USD	1,200.00 USD

Amount Due 13/10/2024

Subtotal	1200 USD
VAT (14.00%)	168.00 USD
Total	1368.00 USD

Print

Order Finalization Process:

1.Partner Center Connection:

- system first connects to Microsoft Partner Center to check the availability of the requested offer for the user's company, based on the company's country.

2. Fetching Order Details:

- The system retrieves the specific Microsoft offer details, including the product and SKU (a unique identifier for the license).

3. Determining Billing Cycle:

- The system checks the type of billing cycle (monthly, annual, or trial) for the offer based on the user's selection and country-specific settings and in this case, it will be monthly fixed.

4. Creating the Microsoft Partner Center Cart:

- The selected license is added to a Microsoft Partner center cart. The cart includes information like the product, quantity (number of licenses), billing cycle, and term duration.

5. Checking Out the Microsoft Partner Center Cart:

- The system attempts to finalize the purchase by checking out the cart with Microsoft Partner Center. If there are no errors, the system proceeds to the next step.

○

6. Creating the Subscription:

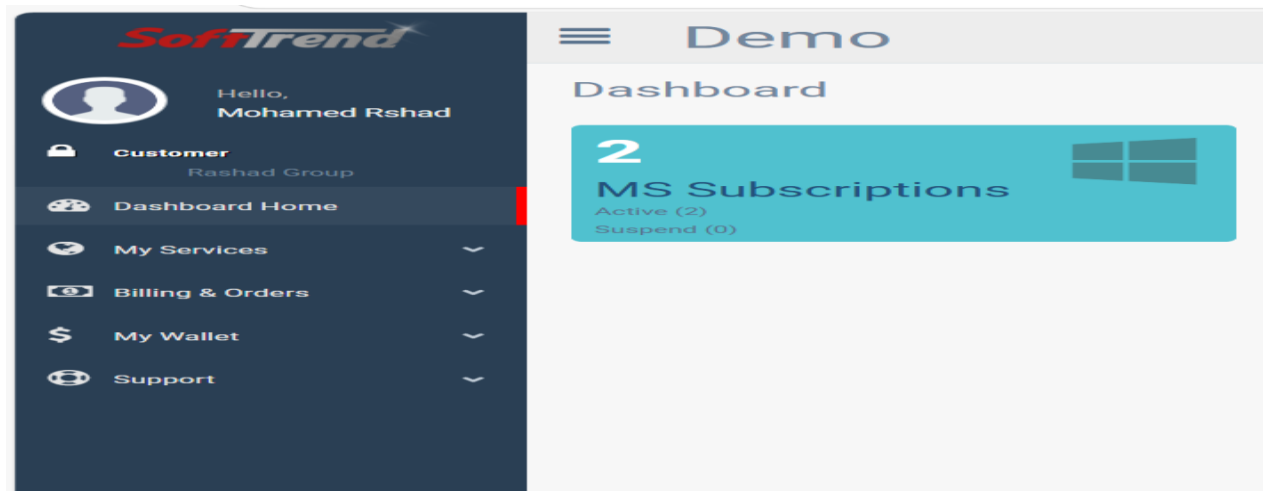
- Once the cart is checked out successfully, the system creates a subscription for the license. It stores important details like:
 - The license nickname.
 - The quantity of licenses.
 - The renewal date (when the subscription needs to be renewed) in this case no renewal date.

7. Sending Confirmation:

- After the order is finalized, the system sends a confirmation email to the user with the details of their new subscription. The email includes:
 - The subscription name.
 - The quantity of licenses.
 - The term duration.
 - The renewal date.
 - The Microsoft subscription ID.

8. Managing Azure Subscription:

- once the confirmation email was sent to the customer now, he can start to manage the subscription, in dashboard home from MS Subscription to see all his Microsoft subscription (**see Figure 7**) a screen shot from the Marketplace.



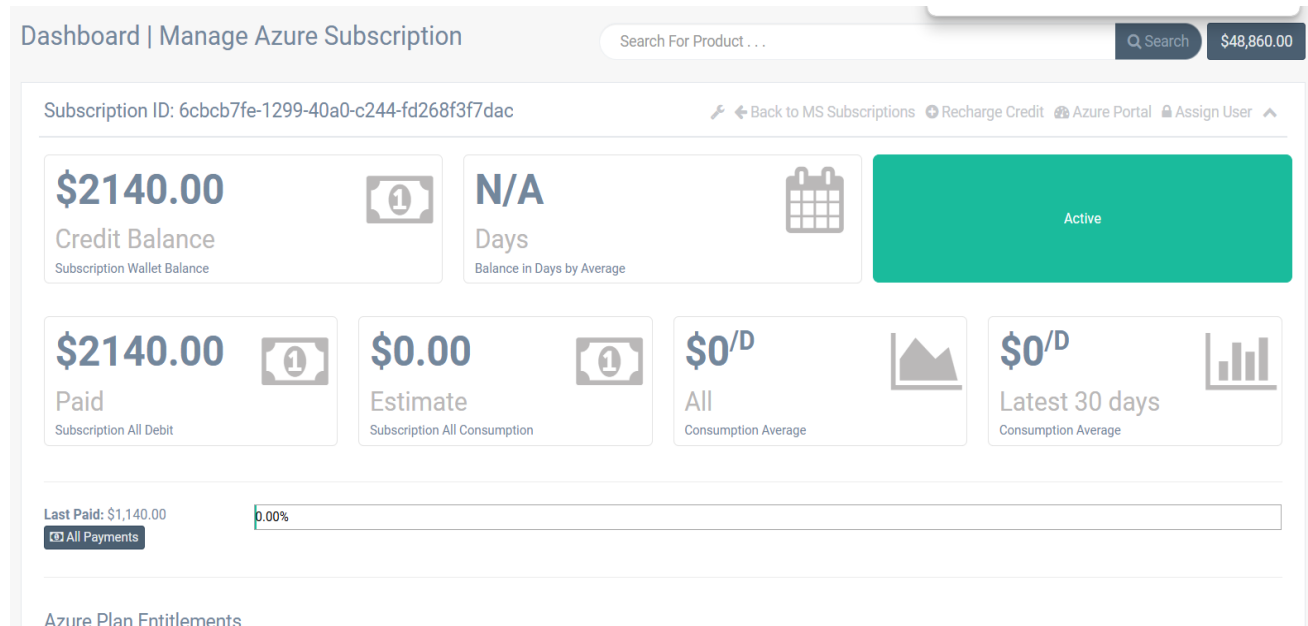
(see Figure 7)

- then, he can start to manage or see order history in his subscription, from Usage-based subscriptions (**see Figure 8**) a screen shot from the Marketplace.

Usage-based subscriptions (1)			
Subscription	Current Credit	Current Estimate	Status
Azure Plan 🔗	\$2140.00 Day(s)	<input type="text" value="0.00%"/>	Active ⏪
Offer: Azure Plan Subscription ID: 6cbcb7fe-1299-40a0-c244-fd268f3f7dac Branch: SoftTrend EGY (Egypt) Reserved Instance: (0)			<div>Manage</div> <div>Orders History</div>

(Figure 8)

- once the customer clicks on manage button he can see that his subscription is active, see his balance, consumption, the paid amount and remaining days (see Figure 9) a screen shot from the Marketplace.



(Figure 9)

- the customer can increase his credit balance by click on recharge credit button in **Figure 9** and enter the amount he want (see Figure 10) a screen shot from the Marketplace.

Recharge Azure Credit

Subscription ID
6cbcb7fe-1299-40a0-c244-fd268f3f7dac

Currency: USD Amount: 60

Cancel Recharge Credit

(Figure 10)

- then the checkout process in shopping cart same as when we make the new azure subscription but here **Order Type** : Recharge Usage Based Wallet not new and payment method will be Balance and the this amount will deduct from the wallet.

Review your Cart

Vendor	Product Description	Quantity	Price	Total
Microsoft	Recharge Azure Subscription Vendor : Microsoft Order Type : Recharge UsageBased Wallet Description: Subscription ID 6cbcb7fe-1299-40a0-c244-fd268f3f7dac - Amount \$60	1	60.00 USD	60.00 USD

Please choose the branch you will use to transfer payment and receive invoice from

Branch
SoftTrend EGY (VAT:14.00%)

Payment Method
☒ Balance
☐ Cash
☐ Cheque
☐ Wire Transfer

Total
60.00 USD

VAT (14.00%)
8.40 USD

Final Total
68.40 USD

Promo Code . . .

(Figure 11)

- and order status will be in progress and will be completed after 10 minutes.

Dashboard | My Order Details
Search For Product . . .
Q Search \$48,791.60

Order Number SANDBOX-ORD-1-USD-1006
Print Order

Order# SANDBOX-ORD-1-USD-1006

Branch: SoftTrend EGY (EG)
Customer: Rashad Group
Address: giza square elnasr holding, mohamed.rshad, giza, elmanial, 12345, Egypt
Order Date: 15/10/2024
Order Time: 11:07:28 AM

Currency: USD
Payment Date: 15/10/2024
Payment Time: 11:07:30 AM
Payment Method: Balance

Order Status: **InProgress**
Payment Status: Paid
IT Advisor: Marketplace Sandbox

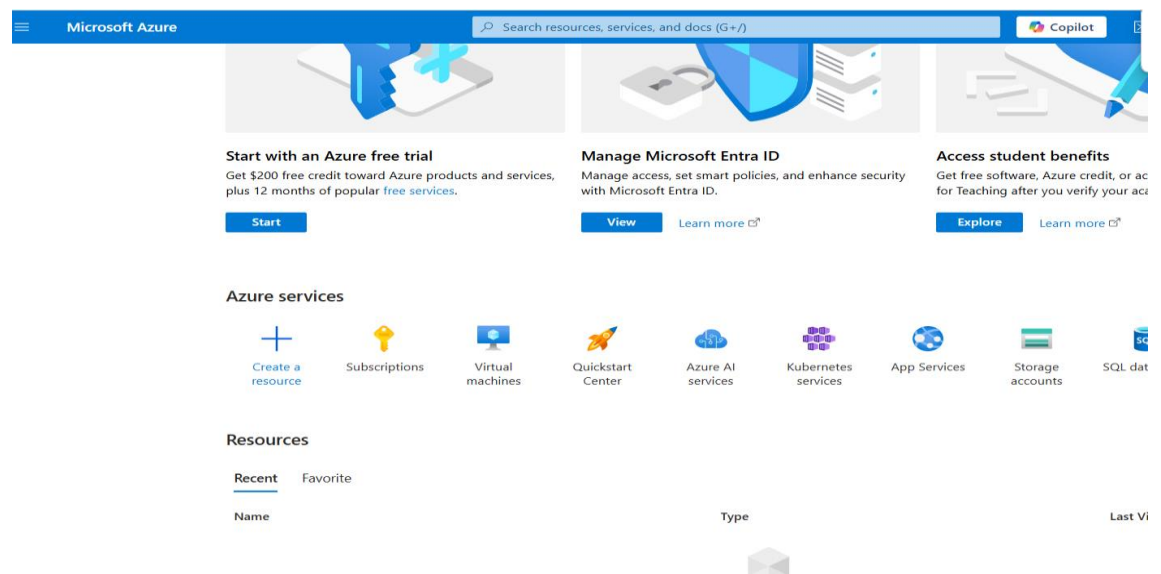
Item	Description	Quantity	Price	Total
Recharge Azure Subscription	Subscription ID 6cbcb7fe-1299-40a0-c244-fd268f3f7dac - Amount \$60 <ul style="list-style-type: none"> Vendor: Microsoft Order Type: Recharge UsageBased Wallet 	1	60.00 USD	60.00 USD

Amount Due 15/10/2024

Subtotal	60 USD
VAT (14.00%)	8.40 USD
Total	68.40 USD

(Figure 12)

- back to **Figure 9** and compare it with **Figure 12** in the top right you will see changes in the balance.
- also, you can go to azure portal and see Azure services and create a recourse or as you want as below



- you can assign users when a customer buys an Azure subscription, they initially have no access, and only the partner has management rights. However, the subscription management feature allows the partner or administrator to assign roles, like the Contributor role, to AAD users so they can manage resources within that subscription you want as below.