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Unable to create Azure BYOS image with Red Hat Satellite

👍 SOLUTION VERIFIED - Updated Thursday at 1:04 PM - English ▾

Environment

- Microsoft Azure
- Red Hat Satellite

Issue

- Trying to create a VM in Red Hat Satellite with a Microsoft Azure BYOS image fails with the following error:

```
Creating a virtual machine from Marketplace image or a custom image sourced from a Marketplace image requires Plan information in the request.
```

Resolution

- The following steps need to be completed with either Microsoft's Azure CLI or Powershell.
- Find the name of the image you want to use to get the Microsoft Azure URN:

```
PS /home/user> az vm image list --publisher RedHat --all --output table
```

Offer	Publisher	Sku	Urn
rhel-byos lvm74:7.4.20200824	RedHat	rhel-lvm74 7.4.20200824	RedHat:rhel-byos:rhel-
rhel-byos lvm74:7.4.20210125	RedHat	rhel-lvm74 7.4.20210125	RedHat:rhel-byos:rhel-
rhel-byos lvm75:7.5.20200824	RedHat	rhel-lvm75 7.5.20200824	RedHat:rhel-byos:rhel-
rhel-byos lvm75:7.5.20210125	RedHat	rhel-lvm75 7.5.20210125	RedHat:rhel-byos:rhel-
rhel-byos lvm76:7.6.20190530	RedHat	rhel-lvm76 7.6.20190530	RedHat:rhel-byos:rhel-
rhel-byos lvm76:7.6.20210207	RedHat	rhel-lvm76 7.6.20210207	RedHat:rhel-byos:rhel-
rhel-byos lvm76-gen2:7.6.20200715	RedHat	rhel-lvm76-gen2 7.6.20200715	RedHat:rhel-byos:rhel-
rhel-byos lvm76-gen2:7.6.20210208	RedHat	rhel-lvm76-gen2 7.6.20210208	RedHat:rhel-byos:rhel-
rhel-byos lvm77:7.7.20200402	RedHat	rhel-lvm77 7.7.20200402	RedHat:rhel-byos:rhel-
rhel-byos lvm77:7.7.20200416	RedHat	rhel-lvm77 7.7.20200416	RedHat:rhel-byos:rhel-
rhel-byos lvm77:7.7.20200823	RedHat	rhel-lvm77 7.7.20200823	RedHat:rhel-byos:rhel-
rhel-byos lvm77:7.7.20201103	RedHat	rhel-lvm77 7.7.20201103	RedHat:rhel-byos:rhel-
rhel-byos lvm77:7.7.20210125	RedHat	rhel-lvm77 7.7.20210125	RedHat:rhel-byos:rhel-
rhel-byos lvm77-gen2:7.7.20200715	RedHat	rhel-lvm77-gen2 7.7.20200715	RedHat:rhel-byos:rhel-
rhel-byos lvm77-gen2:7.7.20200824	RedHat	rhel-lvm77-gen2 7.7.20200824	RedHat:rhel-byos:rhel-
rhel-byos lvm77-gen2:7.7.20201104	RedHat	rhel-lvm77-gen2 7.7.20201104	RedHat:rhel-byos:rhel-
rhel-byos lvm77-gen2:7.7.20210126	RedHat	rhel-lvm77-gen2 7.7.20210126	RedHat:rhel-byos:rhel-
rhel-byos lvm78:7.8.20200410	RedHat	rhel-lvm78 7.8.20200410	RedHat:rhel-byos:rhel-
rhel-byos lvm78:7.8.20200823	RedHat	rhel-lvm78 7.8.20200823	RedHat:rhel-byos:rhel-
rhel-byos lvm78:7.8.20201221	RedHat	rhel-lvm78 7.8.20201221	RedHat:rhel-byos:rhel-
rhel-byos lvm78:7.8.20210125	RedHat	rhel-lvm78 7.8.20210125	RedHat:rhel-byos:rhel-
rhel-byos lvm78-gen2:7.8.20200715	RedHat	rhel-lvm78-gen2 7.8.20200715	RedHat:rhel-byos:rhel-
rhel-byos lvm78-gen2:7.8.20200824	RedHat	rhel-lvm78-gen2 7.8.20200824	RedHat:rhel-byos:rhel-

rhel-byos lvm78-gen2:7.8.20201222	RedHat	rhel-lvm78-gen2 7.8.20201222	RedHat:rhel-byos:rhel-
rhel-byos lvm78-gen2:7.8.20210126	RedHat	rhel-lvm78-gen2 7.8.20210126	RedHat:rhel-byos:rhel-
rhel-byos lvm79:7.9.20210108	RedHat	rhel-lvm79 7.9.20210108	RedHat:rhel-byos:rhel-
rhel-byos lvm79:7.9.20210125	RedHat	rhel-lvm79 7.9.20210125	RedHat:rhel-byos:rhel-
rhel-byos lvm79-gen2:7.9.20210107	RedHat	rhel-lvm79-gen2 7.9.20210107	RedHat:rhel-byos:rhel-
rhel-byos lvm79-gen2:7.9.20210126	RedHat	rhel-lvm79-gen2 7.9.20210126	RedHat:rhel-byos:rhel-
rhel-byos lvm8:8.0.20200402	RedHat	rhel-lvm8 8.0.20200402	RedHat:rhel-byos:rhel-
rhel-byos lvm8:8.0.20200831	RedHat	rhel-lvm8 8.0.20200831	RedHat:rhel-byos:rhel-
rhel-byos lvm8:8.0.20210125	RedHat	rhel-lvm8 8.0.20210125	RedHat:rhel-byos:rhel-
rhel-byos lvm8:8.0.20210409	RedHat	rhel-lvm8 8.0.20210409	RedHat:rhel-byos:rhel-
rhel-byos lvm8:8.0.20220316	RedHat	rhel-lvm8 8.0.20220316	RedHat:rhel-byos:rhel-
rhel-byos lvm8-gen2:8.0.20200715	RedHat	rhel-lvm8-gen2 8.0.20200715	RedHat:rhel-byos:rhel-
rhel-byos lvm8-gen2:8.0.20200830	RedHat	rhel-lvm8-gen2 8.0.20200830	RedHat:rhel-byos:rhel-
rhel-byos lvm8-gen2:8.0.20210126	RedHat	rhel-lvm8-gen2 8.0.20210126	RedHat:rhel-byos:rhel-
rhel-byos lvm8-gen2:8.0.20210410	RedHat	rhel-lvm8-gen2 8.0.20210410	RedHat:rhel-byos:rhel-
rhel-byos lvm8-gen2:8.0.20220317	RedHat	rhel-lvm8-gen2 8.0.20220317	RedHat:rhel-byos:rhel-

- Next we want to accept the terms and conditions of the image passing in the Microsoft Azure URN:

```
PS /home/user> az vm image terms accept --urn RedHat:rhel-byos:rhel-lvm79:7.9.20210125
```

- If that completes ok we should see a hash come back like so:

```
{
  "accepted": true,
  "id":
"/subscriptions/xxxxxxxxxxxxxxxx/providers/Microsoft.MarketplaceOrdering/offerTypes/Microsoft.MarketplaceOrdering/offertypes/publishers/redhat/offers/rhel-byos/plans/rhel-lvm79/agreements/current",
  "licenseTextLink":
"https://mpcprodsa.blob.core.windows.net/legalterms/3E5ED_legalterms_REDHAT%253a24RHEL%253a2DBYOS%253a24RHEL%253a2DLVM79%253a24L5LYFX5NVQ7EL646ZNPHOAHDOUNIMMVIZADR206PWE74WFFTFVTD4RAFOYG50UDPLNW57EW76XZ5APVC2PPXG22MHWALMK6ZCSADOI.txt",
  "marketplaceTermsLink":
"https://mpcprodsa.blob.core.windows.net/marketplaceterms/3EDEF_marketplaceterms_VIRTUALMACHINE%253a24AAK20AIZEAWW5H4MSP5KSTVB6NDKKRTUBAU23BRFTWN4YC2MQLJUB5ZEYUOUJBVF3YK34CIVPZL2HWYASPGDUY502FWEGRBYOXWZE5Y.txt",
  "name": "rhel-lvm79",
  "plan": "rhel-lvm79",
  "privacyPolicyLink": "https://www.redhat.com/en/about/privacy-policy",
  "product": "rhel-byos",
  "publisher": "redhat",
  "retrieveDatetime": "2022-05-26T19:56:16.629345Z",
  "signature":
"4YVHK2SBEA0TM5FIRJF5PQ5ZP3IH7YBEDZSD447SLWEWEB7MXWG670XJSCBPCY3WXAYAFLE7D6S5K54WMQTLU2MZ
YIFWF7QUXVSS2Q",
  "systemData": {
    "createdAt": "2022-05-26T19:56:19.696994+00:00",
    "createdBy": "f5877eb3-9016-4ddd-80b1-3657c9fdbed8",
    "createdByType": "ManagedIdentity",
    "lastModifiedAt": "2022-05-26T19:56:19.696994+00:00",
    "lastModifiedBy": "f5877eb3-9016-4ddd-80b1-3657c9fdbed8",
    "lastModifiedByType": "ManagedIdentity"
  },
  "type": "Microsoft.MarketplaceOrdering/offertypes"
}
```

Root Cause

- The BYOS images have to be enabled in your Microsoft Azure account by going to the Red Hat Customer Portal connecting your Microsoft Azure account and allocating some subscriptions to unlock BYOS private offerings.
- The BYOS images also have to have the terms and conditions accepted on them with the Microsoft Azure CLI.

SBR SysMgmt Product(s) Red Hat Satellite Component foreman

Category Troubleshoot Tags azure foreman satellite_6

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Case Links (Red Hat Internal)

03069468 - Salesforce / Ascension - rhn-support-mkushwah

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Comments

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