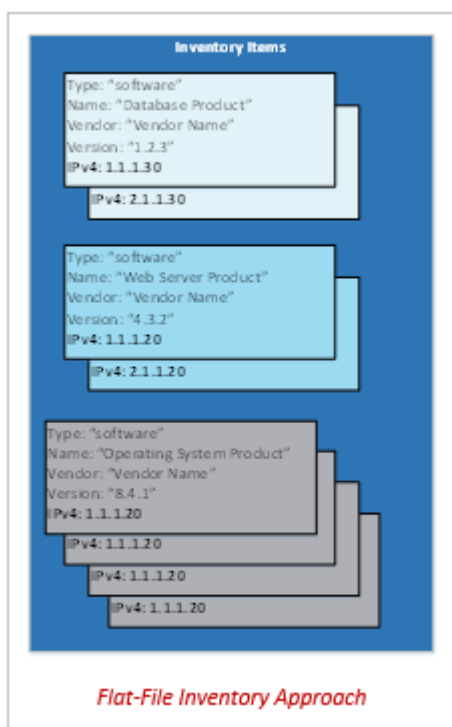


Inventory: Flat Approach

The flat approach to inventory is only intended as a starting point for service providers converting from a legacy FedRAMP inventory spreadsheet template.

If you are not converting legacy inventory, use the [Inventory: Normalized Approach](#).

With the **flat approach**, all content on a spreadsheet row appears in a single OSCAL inventory-item assembly. This results in a great deal of redundant information but is a simple transition from the current spreadsheet approach.



Flat Representation

```
system-security-plan:  
  uuid: 11111111-2222-4000-8000-000000000000  
  system-implementation:  
    inventory-items:  
      - uuid: 11111111-2222-4000-8000-011000000001  
        description: Legacy Example (No implemented-component).  
        props:  
          - name: asset-id  
            value: unique-asset-ID-01
```

- name: ipv4-address
value: 10.1.1.1
- name: ipv6-address
value: 2001:db8:3333:4444:5555:6666:7777:8888
- name: virtual
value: 'no'
- name: public
value: 'no'
- name: fqdn
value: dns.name
- name: uri
value: uniform.resource.identifier
- name: netbios-name
value: netbios-name
- name: mac-address
value: 00:00:00:00:00:00
- name: asset-type
value: operating-system
- name: serial-number
value: 'Serial #'
- name: asset-tag
value: Asset Tag
- name: vlan-id
value: VLAN Identifier
- name: network-id
value: Network Identifier
- name: scan-type
ns: http://fedramp.gov/ns/oscal
value: infrastructure
- name: vendor-name
ns: http://fedramp.gov/ns/oscal
value: Big Vendor, Inc.
- name: scan-type
ns: http://fedramp.gov/ns/oscal
value: database
- name: allows-authenticated-scan
value: 'no'
remarks: If no, explain why. If yes, omit remarks field.
- name: physical-location
value: Physical location of Asset

```
- name: is-scanned
  value: 'yes'
  remarks: If no, explain why. If yes, omit remarks field.
- name: function
  value: Required brief, text-based description.
  remarks: Optional, longer, formatted description.
links:
- href: '#11111111-2222-4000-8000-009000000002'
  rel: validation
- href: '#11111111-2222-4000-8000-001000000059'
  rel: baseline
responsible-parties:
- role-id: asset-owner
  party-uuids:
  - 11111111-2222-4000-8000-004000000016
- role-id: asset-administrator
  party-uuids:
  - 11111111-2222-4000-8000-004000000017
remarks: 'COMMENTS: Additional information about this item.
```

This links to a FIPS 140-2 validated software component that is used by this inventory item. This type of linkage to a validation through the component is preferable to the link[rel='validation'] example above.'

Notes:

The value of asset-type determines whether the identified asset-administrator is managing a system or an application. Currently, any FedRAMP-defined asset-type implies the management of a system, and therefore, is to be scanned as infrastructure.

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