Run time Inventory using AAP Survey

Requirement:

1. Already Automation Jobs are setup with inventory as a source from Git which makes the inventory static
2. Another version of Automation required where User can mention List of Hostnames or IPs where automation needs to be run.

Pre-Requisite:

1. Copy of the main.yml in GIT which is being called by the Job Template in AAP. This is required as we need to add a small code snippet to make this dynamic Inventory userdefined.
2. One Dummy Inventory to associate with duplicate Job Template.
3. Once copy of the main.yml done on GIT , resync the Project

**STEPS:**

1. Add below code snippet to create a inventory at runtime:

*- hosts: localhost*

*become: no*

*gather\_facts: no*

*tasks:*

*- name: Creating Inventory*

*add\_host:*

*hostname: "{{ item }}"*

*env: "{{ env | default('dev')}}" #this is vars that can be user defined, add more in this if required*

*with\_items: "{{ hosts | dict2items }}"*

<rest of your playbook here, just make sure to start with hosts: all>

1. Resync your Project
2. Login to AAP:
   1. Copy your original Job Template:

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* 1. Name your Copied Job as per requirements.
  2. Click on your Copied Job -> Edit -> Point to your Copy of main.yml

Change Inventory to the Dummy Inventory without any sources

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* 1. Click on Survey TAB:

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Click Add for new Parameters ,

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You can change or Define Question as per the requirement from User.

Under Answer Variable name , hosts , this is defined in the code snippet shared above , this is what allowing us to create this Dynamic Inventory

Answer Type will be TextArea and increase Max Length to 99999

* 1. Repeat same for other vars which are used in playbook and need to be User defined, below example is for environment :

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Answer Type can vary for different type of Inputs

* 1. Go to the Demo or Dummy Inventory and pre define the known variables:

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* 1. Launch the Job and Test

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