



# Limit Max Number of IKEv1 IPSEC Managers within a Context

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## Feature Summary and Revision History

### Summary Data

Applicable Product(s) or Functional Area	IPSec
Applicable Platform(s)	ASR 5500
Feature Default	Disabled – Configuration Required
Related Changes in This Release	Not applicable
Related Documentation	<ul style="list-style-type: none"><li>• <i>Command Line Interface Reference</i></li><li>• <i>IPSec Administration Guide</i></li></ul>

### Revision History

Revision Details	Release
First introduced.	21.9.4

## Feature Changes

If the maximum number of IKEV1 IPsec managers are already spawned in the system, then a new context with crypto map cannot be added as crypto map in a new context requires a new IPsec manager. A new CLI is introduced to limit the spawning of IKEv1 IPsec managers within a context so that the customer can limit

the number of IPsec managers in each existing context and manage the spawning of new IPsec managers in new context if required later.

**Previous Behavior:** Any number of number of IPsec managers can be spawned within a context (depends on how many crypto maps are configured).

**New Behavior:** New CLI **limit ipsecmgr ikev1 max** enables to limit number of IPsec managers within a context.

**Customer Impact:** Flexibility to manage resources under multiple contexts and avoid the situation where no more crypto maps are available to add in the system when new context is added.




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**Important**

This feature works only when **require crypto ikev1-acl software** (Software Datapath feature) is enabled at Global Configuration Mode.

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## Command Changes

This section describes the CLI configuration required to enable limiting of IPsec managers spawning within a context.

### limit ipsecmgr ikev1 max

Use the following configuration to limit the parameter for this context.

```
configure
  context context_name
    limit ipsecmgr ikev1 max max_value
  default limit ipsecmgr ikev1 max
end
```

#### NOTES:

- **default** : Sets/Restores default value assigned for specified parameter.
- **limit** : Limits the parameter for this context.
- **ipsecmgr** : To limit ipsecmgr manager settings.
- **ikev1** : Specifies IKEv1 tasks.
- **max max\_value** : Specifies maximum ipsecmgr IKEv1 tasks. *max\_value* must be an integer from 1 to 176.