



## Unexpected AS Prefix

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### Unexpected AS Prefix

This alarm detects unexpected changes for an AS where a new prefix was not previously there. Any prefix that originates from a monitored BGP AS is a violating prefix if it is not subscribed to by your organization (subject to peer thresholds).

#### Possible Problem Detected

This alarm can help identify an unexpected change or route leak scenario for an AS where a new prefix was not previously observed.

#### Relevant Alarm Rule Configurations

The following options must be configured when adding this alarm rule to an ASN policy configuration (**External Routing Analysis > Configure > Policies > Add Policy > ASN Policy > Add Rule > Unexpected AS Prefix**):

- [Thresholds](#) (per advertised prefix)
- [Prefix subscription](#)

#### Example

You create an ASN Policy with the **Unexpected AS Prefix** alarm rule and linked to a monitored AS 15169. You are also subscribed to all prefixes that are expected to originate from AS 15169. Due to a misconfiguration, prefix 8.8.0.0/24 is leaked from the AS. At the same time, prefix 9.9.0.0/24 is advertised correctly, but is not subscribed to. Subject to peer thresholds, both these events cause the alarm to trigger. You can then correct the configuration to withdraw prefix 8.8.0.0/24 and subscribe to prefix 9.9.0.0/24 which clears the alarm.

