

SPF Permerror

PROBLEM

You get a Received-SPF: Permerror but the sender IP is referred in the related SPF record

RESOLUTION

There are several safeguards put in place with SPF. One of these is a limitation of DNS lookups to help ensure that you do not have timeout issues. SPF will evaluate only 10 DNS mechanism lookups in an SPF record (mechanisms include: a, mx, ptr, exists, include, redirect) before a PermError is raised. Terms in included/redirected-to records count toward that total, which frequently causes records to error out when included from other records even though by themselves they stay within this limit. If you are seeing this error, you will need to remove some of your current mechanisms/lookups.