

## Description extended Static Script

### Main function

```
(function(d, w, nav, sc) {
```

Function "serialize" wraps an object "obj" into a string (this function doesn't collect or pass any data)

```
function serialize(obj) {  
  return Object.keys(obj)  
    .map(function(key) {  
      return [key, obj[key]].join("=");  
    })  
    .join("&");  
}
```

Function "getCookie" returns cookie value by cookie name

```
function getCookie(name) {  
  var matches = d.cookie.match(  
    new RegExp(  
      "(?:^|; )" +  
      name.replace(/([\.\$?*|{}()\[\]\|\|\/\+\^])/g, "\\$1") +  
      "=( [^;]* )" )  
  );  
  return matches ? decodeURIComponent(matches[1]) : "";  
}
```

Function "hit" collects and passes data about URL visits to our server

```
var hit = function (referrer) {
```

Checking - if the browser supports "sessionStorage"

```
var s = w && w.sessionStorage ? w.sessionStorage : {};
```

In query, we add everything that we send to the server, u - url, r - referrer, rnd - a random number against the cache:

```
var query = {  
  rnd: Math.random().toString(),  
  u: encodeURIComponent(d.URL),  
  r: encodeURIComponent(d.referrer)  
};
```

We collect additional data about the browser.

Script version:

```
try {  
  var e = d.documentElement;  
  query.v = 4;  
}
```

Checking if the page is iframe

```
query.w = w.top === w ? 1 : 0;
```

Checking - if the page is hidden  
if the page is iframe

```
query.h = d.hidden ? 1 : 0;
```

Browser window dimensions, screen resolution and document size:

```
query.gW = Math.max(e.clientWidth, w.innerWidth || 0);  
query.gH = Math.max(e.clientHeight, w.innerHeight || 0);  
query.gDH = Math.max(  
  d.body.scrollHeight,  
  e.scrollHeight,  
  d.body.offsetHeight,  
  e.offsetHeight,  
  d.body.clientHeight,  
  e.clientHeight  
);  
query.gDW = Math.max(  
  d.body.scrollWidth,  
  e.scrollWidth,  
  d.body.offsetWidth,  
  e.offsetWidth,  
  d.body.clientWidth,  
  e.clientWidth  
);  
query.sW = sc.width || 0;  
query.sH = sc.height || 0;
```

Getting cookie by name "\_ga" - it's Google Analytics cookie

```
query.ga = getCookie("_ga");
```

Getting ratio of the resolution in physical pixels to the resolution in CSS pixels for the current display device

```
query.dpr = w.devicePixelRatio || ""
```

## Getting info info about connection type

```
query.c = (function() {
  var conn = "";
  if (nav && nav.connection) {
    if (nav.connection.type) conn = nav.connection.type;
    else if (nav.connection.effectiveType)
      conn = "eff:" + nav.connection.effectiveType;
  }
  return conn;
})();
```

## Generating ID session

```
query.t = s && s._tid ? s._tid : (s._tid = Date.now());
```

## Getting count of redirect and type of navigation

```
if (w.performance) {
  if (w.performance.navigation) {
    query.rc = w.performance.navigation.redirectCount;

    query.tn = w.performance.navigation.type;
  }
}
```

## Calculating the time between the establishment of the https connection and the start of the page loading:

```
if (w.performance.timing)
  query.dc =
    (w.performance.timing.secureConnectionStart ||
     w.performance.timing.fetchStart) -
    w.performance.timing.fetchStart;
}
} catch (e) {}
```

## Sending collected data

```
var path = "//statad.ru/pixel.gif";
var qs = serialize(query);
new Image().src = [path, "?", qs].join("");
})(document, window, navigator, screen);
```