

# SRP\_Stopwatch

A simple benchmarking tool.

## Syntax

```
SRP_Stopwatch(Service, Param)
```

## Parameters

Title Field	Description
Service	The stopwatch service to execute.
Param	The stopwatch service parameter, which depends upon the service.

## Remarks

SRP\_Stopwatch simplifies benchmarking by tracking multiple benchmarks and displaying them for you at the end. Here's a quick tutorial on how to use it.

## Resetting

At the beginning of your benchmark code, you need to reset the stopwatch. This clears all benchmarks that might exist from previous runs.

```
SRP_Stopwatch("Reset")
```

## Benchmarking

Surround blocks of code with a benchmark, identifying the benchmark by name.

```
// Insert the text at random field, value, and subvalue positions
SRP_Stopwatch("Start", "OIInsert")
TestOI = ""
For i = 1 to Iterations
    TestOI = Insert(TestOI, Rnd(MaxPos), Rnd(MaxPos), Rnd(MaxPos), InsertText)
Next i
SRP_Stopwatch("Stop", "OIInsert")
You can do this more than once using a different name for each benchmark.
// Insert the text at random field, value, and subvalue positions using SRP Fast Array
SRP_Stopwatch("Start", "SRPInsert")
Handle = SRP_FastArray_Create()
For i = 1 to Iterations
    SRP_FastArray_Insert(Handle, Rnd(MaxPos), Rnd(MaxPos), Rnd(MaxPos), InsertText)
Next i
TestSRP = SRP_FastArray_GetVariable(Handle)
SRP_Stopwatch("Stop", "SRPInsert")
```

## Results

At the end of your benchmarking, you can quickly display the results, which will be nicely formatted.

```
SRP_Stopwatch("ShowAll")
```

You can show individual benchmarking results as well.

```
SRP_Stopwatch("Show", "SRPInsert")
```

Or, you can just get the results in a variable and do whatever you want with them.

```
OneResult = SRP_Stopwatch("GetBenchmark", "SRPInsert")  
AllResults = SRP_Stopwatch("GetAll")
```