

Memory Leaks in .NET

Common scenarios & analysis



Why should I care?

- Unnecessary memory usage, bigger, more CPU costly collections
- GC pressure
- OutOfMemory exception
- Cost



GC sweep is marked with an arrow



Finding the leaks

Proactively:

- Soak testing
- Load testing
- Memory targeted tests

When a problem occurs:

- Logs
- Memory dump

Esalto

Let's get down to some practice



Key tips

- Don't guess where the leak is
- Create more dumps
- Check for GC costs, but don't forget about allocation costs
- Monitor your app
- Use object pooling