

Flash Lite Tips and Tricks

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Introduction

This article gives some recommendations regarding performance improvements. Optimization efforts are needed in order to create a high-quality movie or application. The article covers both content optimization and ActionScript optimization.

Detailed information on optimization

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- **Group layers that have similar content types to be next to each other.** The Flash player renders vector graphics differently from bitmap graphics. To speed up rendering, group the vector content in your .fla file to be on adjacent layers, if possible, and do the same for bitmap graphics. This enables the rendering algorithms to run faster and do less calculation for rendering the same content.
- **Optimize vector shapes before exporting the movie.** Select the shape and then either choose Modify > Shape > Optimize from the menu tab or press CTRL+ALT+SHIFT+C. To optimize the shape even more, do as follows to remove superfluous anchor points from a shape:
 - Select the shape.
 - Scale it to 10%.
 - Scale it to 10% once more.
 - Unselect the shape (the changes are actually applied only then)
 - Select the shape again.
 - Scale it to 100%.
 - Scale it to 100%.
 - Un

ActionScript optimization

ActionScript optimization can also influence the performance of Flash Lite movies. Read this section very carefully and review your ActionScript code thoroughly, especially if your application uses a lot of ActionScript.

- **Simplify your ActionScript whenever possible.** Try to eliminate superfluous elements such as variables and loops. Use the Omit Trace Actions option when publishing your content to automatically remove trace() statements in the SWF file.
- **Limit loops.** Only use a loop if you cannot avoid it and keep the code executed in the loop as simple as possible. For example, initializing the data in a small array can be faster when setting the single members explicitly in code although it does not look as elegant and is less flexible. When using

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