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TAO: THP Allocator Optimizations

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TAO is an umbrella project aiming at a better economy of physical contiguity viewed as a valuable resource.
A few examples are:

1. A multi-tenant system can have guaranteed THP coverage while hosting abusers/misusers of the resource.
2. Abusers/misusers, e.g., workloads excessively requesting and then splitting THPs, should be punished if necessary.
3. Good citizens should be awarded with, e.g., lower allocation latency and less cost of metadata (struct page).
4. Better interoperability with userspace memory allocators when transacting the resource.

The cornerstone of TAO is an abstraction called policy zones, and that new abstraction has its own proposal: https://lpc.events/event/18/abstracts/1981/

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