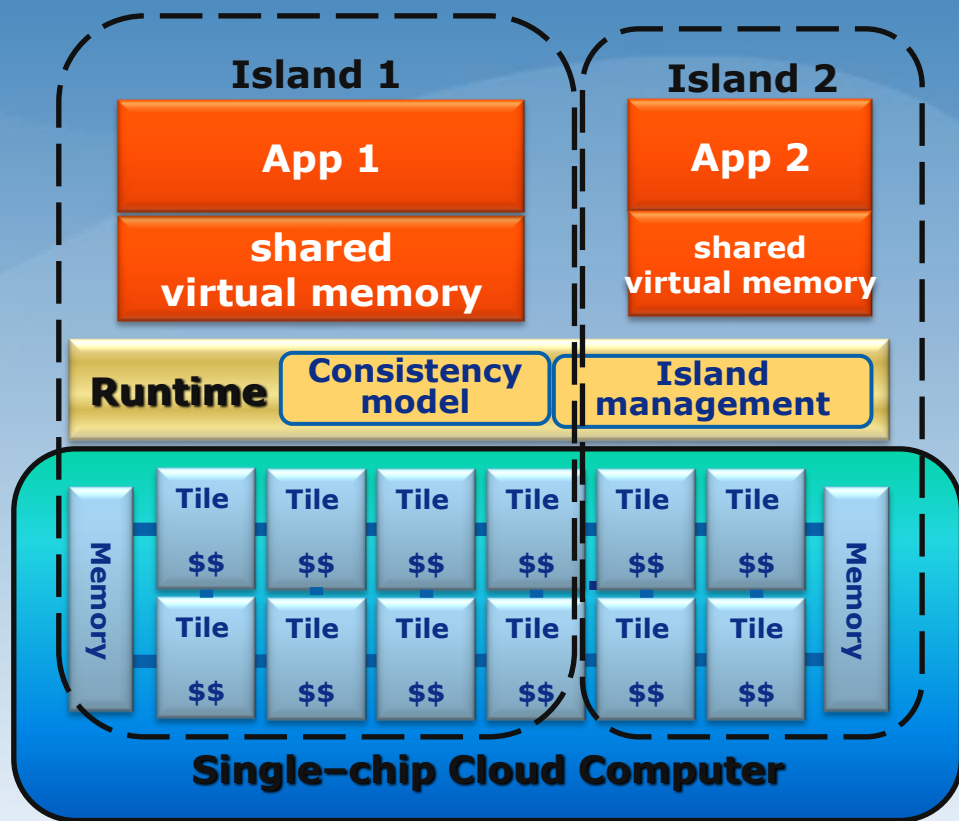


A Case for Software Managed Coherence in Many-core Processors

- Why software managed coherence
 - No or minimal hardware
 - Fit in the emerging applications
 - Flexible dynamically reconfigurable coherence islands
 - Support heterogeneous many-core architecture
- Prototype on SCC
 - Efficient shared virtual memory implementation
 - Multiple consistency models
 - Comparable performance vs. hardware coherence



Author:
Chen Hu Tiger

