SmartMigrate

Cloud Migrations continue to increase and there seems to be no slowing down in the near future. Cloud native workloads remains the holy grail but re-hosted migrations or lift & shift migrations, as they are popularly known, continues to be a predominant strategy enterprise leverage due to several reasons. While this model is not the most optimal one, it seems to pay off many customers as an interim strategy before they could optimize and make workloads, true cloud native. This lift and shift model of migration needs to fulfil the following requirements / KPIs and address some key challenges, such as:

- Speed of migration
- First Time Right
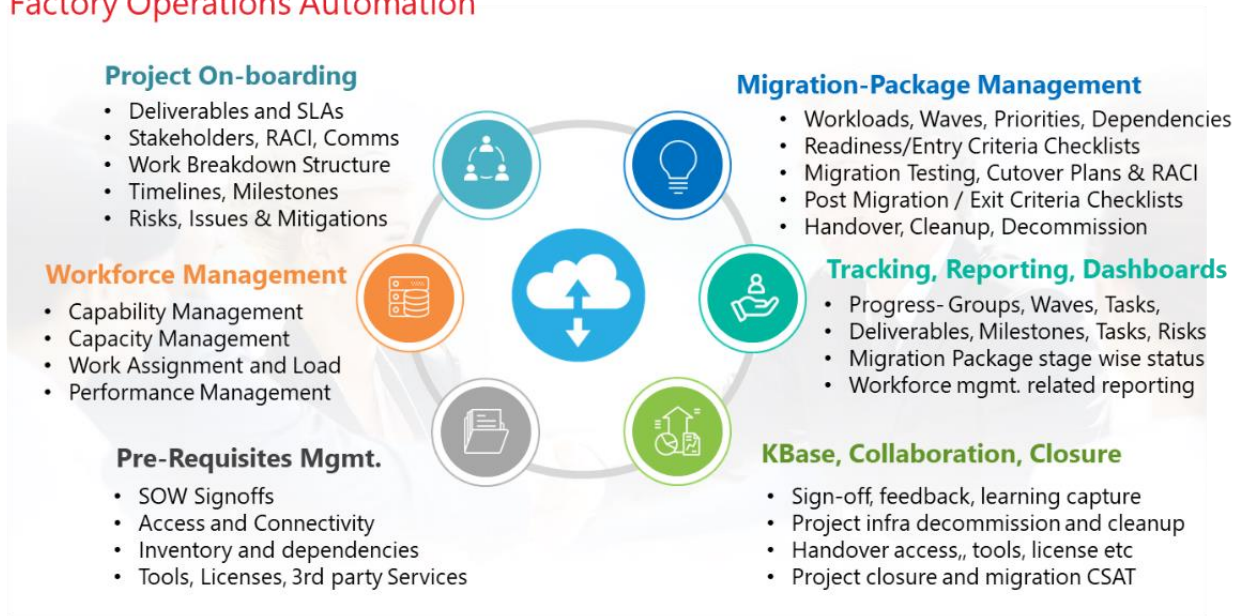- Lower Total Cost of Migration
- Low Failure Rates

Some of the familiar challenges with Lift & Shift Migration are:

- Ease of creating migration packages, sequences and schedules
- Automate Pre / Post Migration Checks & Configurations
- Reuse Knowledge gained during migrations
- Efficiently allocate and reassign tasks to right skilled SMEs
- Ensure compliance to security and governance polices
- Proper handover to ops and decommissioning of source

Migration Factories play a key role in providing the efficiency, velocity and scale while ensuring minimal disruption. Microland's **SmartMigrate** is an Integrated Tooling platform for project and technology management specifically designed to run factory-based Lift & Shift migrations efficiently at scale. We have incorporated our decades of experience in migrating datacenter workloads and finetuned it to fit the new cloud specific needs. It enables data driven management of tasks, resources, assets, knowledge and has reusable automation.

Key aspects modules are features of SmartMigrate are:

SmartMigrate integrated tooling has the ability to quickly automate technical tasks and configurations related to migrations in the factory such as:

- Data Ingestion and Transformation
    - Inventory, Dependency, Workload Readiness
    - Integration with CMDB, Discovery and other infrastructure tools
    - Proper ETL (make the nomenclature streamlined)
    - Dependency definition, aggregation
- Technical Task Automation
    - Build Automation, Pre-Migration Runbooks
    - Migration technical task automation – agent install, configure, sync, retry etc.
    - Migration error remediations and cutover Runbooks
    - Post Migration Runbooks/configurations
    - Cleanup / Decommission of on-prem workloads
    - Integration with provisioning/configuration automation and migration Tools
    - Visualization and Reporting

Smart Migrate brings in significant benefits with:

- Faster migrations with 30 % lesser time

- Lower downtimes with disruptions reduced by 20 %

- Maximizes SME productivity

- Better decision-making ability with dashboards

Faster Migrations	Reduced downtimes	Maximized productivity	Better decision making ability
1	2	3	4
Integrated tooling operated by best talent from our factory expedites migrations by 30%	Scheduling, KBs Automation and Collaboration ensures reduced disruptions by 20%	Contextualized workload info & migration task list ensures maximum SME productivity	Impactful insights for workload owners and project managers to make informed decisions