Adaptivity Lifecycle Suite Blueprint Manifest

Adaptivity
The IT Blueprint Company

Introduction

Getting IT infrastructure deployed requires a proper build plan that gives all IT stakeholders complete traceability across the entire IT infrastructure lifecycle (from design through build to operate). Adaptivity's Blueprint4IT Library provides the knowledge capital and assets needed to quickly optimize your IT infrastructure lifecycle.

Problem Space: Complexity

The problem, simply put, is that the level of complexity present in today's IT environment cannot be effectively managed with its current mixture of manual process and non-integrated toolsets. This level of complexity increases operational risk and cost, while inhibiting market facing agility and strategic innovation.

In today's IT environment there are multiple stakeholders that make decisions from their unique perspective, not realizing the impact of those decisions on other dimensions that have to be considered when building and managing IT. The big challenge is ensuring that all design decisions made reflect the defined requirements and those decisions are realized in the runtime environment.

Meeting the requirements requires a combination of industry and institutional best practices, operational experience and 'tribal knowledge' – tacit expertise most often passed on via informal conversations amongst IT and business owners. In addition, the new deployments must also reduce risk, promote opportunities or reduce cost.

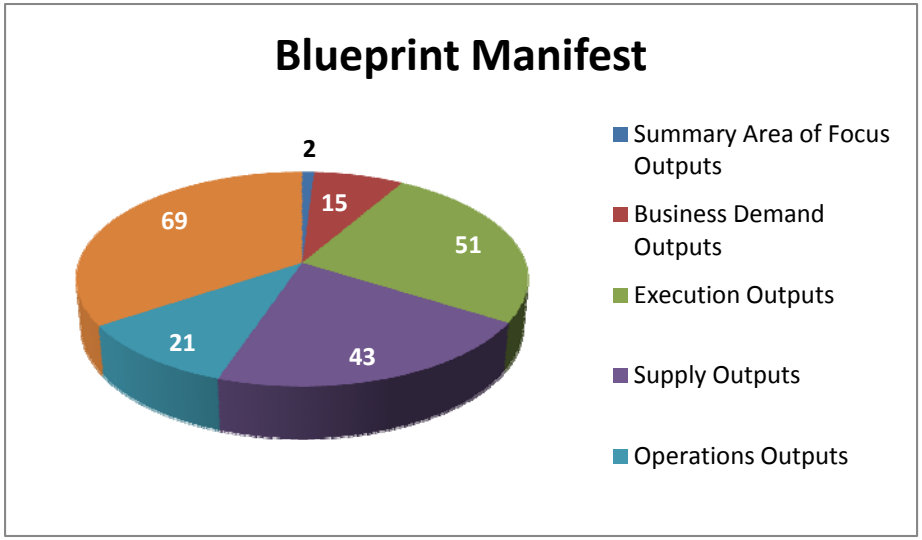
Drafting Table Not Required!

Adaptivity's technology platform allows companies to create IT blueprints tailored for specific audiences and is used to make informed, data---driven intelligent design, build, and runtime decisions in managing complex enterprise infrastructure environments.

Whether seeking to implement a cloud delivery model, optimize a datacenter, or rationalize applications portfolios, Adaptivity's patented approach to dynamically generating IT blueprints enables clients to control and manage all facets of the infrastructure lifecycle.

The Living Blueprint

With Adaptivity's Blueprint4IT Lifecycle Suite provides out-of-the-box expert knowledge capital that will quickly improve and mature the IT infrastructure lifecycle and coordination of all the various participants and stakeholders. The library's catalog of assets provides the linkages of business demand to IT supply to runtime execution and operations. This pre-built library enables your resources to focus on solving problems rather than creating the process and assets for problem solving.



Sheet Categories	Sheet Count
Summary of Focus Areas	2
Business Demand	15
Execution	51
Supply	43
Operations	21
Governance	69
Total	201

Blueprint Manifest

Ref#	Sheet Type	Dimension	Topic	Description	Audience
0.00	Blueprint Cover Sheet	Introduction	Cover Sheet	Title page for entire Blueprint	Universal IT
0.01	Blueprint Table of Contents	Introduction	Table of Contents		Universal IT
1.00	Summary of Focus Areas	Summary Areas of Focus	Cover Sheet	Title page for Summary of Focus Areas. It is a section header that lists the sheets printed in that section	Universal IT
1.03	NGDC Reference Architecture Scope	Summary Areas of Focus	Architecture	This sheet tells the story of how business demand and IT supply for chosen business functions are explicitly linked through the relationship between business architecture and infrastructure platform architecture	Universal IT
1.04	Summary Recommendations	Summary Areas of Focus	Recommendations	Provides an executive summary of all recommendations made throughout the Blueprint	"Business Executives, IT Senior Staff"
2.00	Business Demand Outputs	Demand	Cover Sheet	Title page for Business Demand	Universal IT
2.01	Business Priorities & KPIs	Demand	Business Alignment	Shows how BVC key performance indicators (KPIs) map to business drivers in more detail by BF. The KPIs guide recommendations	"Business Executives, IT Senior Staff, Business analysts
2.02	Selected Business Process Workload	Demand	Demand Profile	Purpose is to show how the selected workload fits into the business process. Focus is on the *selected* BFs for the workload being analyzed. Illustrates the linked business drivers and characteristics that are brought into focus as a result of choosing these BF.	Application Owners
2.03	Workload Quality Profile	Demand	Demand Profile	Purpose is to characterize the quality of experience (QoE) for the workload using qualities, showing how they are based on the quality profile (QP) for each business activity (BA)	Business Analysts" Application Owners , Architects
2.04	Workload Functional Patterns	Demand	Demand Profile	Purpose is to show what functional patterns pertain to the workload being analyzed	application architects
2.05	Workload Volume	Demand	Demand Profile	Illustrates how workload volume changes over time (24-hour period)	Application architects, Owners
2.06	Business & IT Fulfillment Landscape	Demand	Business Alignment	Executive overview of Demand section showing linkages between business functions and activities with a variety of concerns that ultimately affect an organizations infrastructure. This picture shows the linkage between business functions and key problems in the functional workload	"Business Executives, IT Senior Staff Business Analysts
2.07	Business Function Inventory	Demand	Application Portfolio	A summary of the chosen business functions and their high-level characteristics, including business capabilities, known challenges, and demand characteristics. Objective is to show the business side only, without reference to IT concepts	"Business Executives, IT Senior Staff, Application Owners
2.08	Business Dedicated Apps & Top Problems	Demand	Application Portfolio	Shows how BFs are mapped into the IT supply chain. (ITSC) via applications and summarizes the top problems with the ITSC from the perspective of each BF. This links the demand to the infrastructure at a very high level.	"Business Executives, IT Senior Staff
2.12	Selected Application SOA Common Services Consumption	Demand	Application Portfolio	Illustrates how a selected business process relates to BA. Note that business process = workload (e.g. transaction reconciliation)	"Business Executives,
2.13	SOA Services Manifest	Demand	Application Portfolio	Provides a compendium of all service oriented architecture (SOA) services consumed and offered across all applications	"IT Senior Staff, Business Analysts" Application Owners. Architects
2.14	Functional Pattern Common Service Linkage	Demand	Application Portfolio	Illustrates how a functional pattern (FP) relates to BAs and common services. Multiple instances of this sheet may be needed - one for each FP.	"Architects, Application owners
2.15	BVC Showing BF by BVC Legs	Demand	Business Alignment	Shows the business functions (BF) chosen in the context of the classic Michael Porter defined business value chain (BVC) Legs	"Business Executives, IT Senior Staff"
2.16	Information - Security Pattern	Demand	Demand Profile	Identifies roles and security patterns, and the various access rights to consider	Architects, engineering
2.17	Information - Storage Pattern	Demand	Demand Profile	Identifies storage patterns in terms of read and writes activity, and other more detailed qualities that affect performance	Architects, engineering
2.18	Information - Network Pattern	Demand	Demand Profile	Identifies network patterns, including dispersion, bandwidth allocation policies, security and segmentation	Architects, engineering
3.00	Execution Outputs	Execution Management	Cover Sheet	Title page for Execution	Universal IT

Ref#	Sheet Type	Dimension	Topic	Description	Audience
3.01	Demand Management Strategy	Execution Management	Demand Mgmt Strategy (SOA)	Provides a contextual overview of processes involved in creating a demand management strategy	"IT executives, Architects, Operations
3.02	Workload Priority	Execution Management	Demand Mgmt Strategy (SOA)	Identifies the relative priority of the chosen workloads. This is done in the context of a daily business cycle and the BAs that this workload touches	Application owners, architects, operations
3.03	Deployment Pattern for SOA	Execution Management	Demand Mgmt Strategy (SOA)	Depicts a logical deployment architecture of server types which the workload runs on. Based on 15 deployment types that can be composed for more complex environments	Architects, engineers
3.5	Business Activity Storage Ensemble Map	Execution Management	Supply Mgmt Strategy (SOI)	Shows how BA are mapped to storage ensembles which determine applicable storage policies	"IT Senior Staff, Architects Engineers, Operations
3.06	Supply Driven Demand Management	Execution Management	Demand Mgmt Strategy (SOA)	Provides a contextual overview of demand management using a bottom-up approach (forensics) Scenario as opposed to a top-down requirements scenario	" Architects, Engineers, Operations
3.07	Forensic Heat Map Imported	Execution Management	Demand Mgmt Strategy (SOA)	Shows the Imported Heat Maps for the systems that were forensically analyzed. This may not relate to a particular application	Architects Engineers, Operations
3.08	Functional Pattern Deployed	Execution Management	Demand Mgmt Strategy (SOA)	Illustrates how the FP is deployed. Shows how the components of a FP fit into a systematic deployment scheme	Application Owners, Architects, Engineers
3.09	Application Forensic Heat Map	Execution Management	Demand Mgmt Strategy (SOA)	Application heat maps shown in a deployment context where consumption on key metrics per server type is shown with the functionality deployed on each server. This provides a summary view of the demand consumption characteristics exhibited by the functionality on that server	Architects Engineers, Operations
3.10.	Forensic Heat Map Synthesis	Execution Management	Demand Mgmt Strategy (SOA)	Shows a rollup and analysis of the heat maps by server type (e.g. DB server)	Architects Engineers, Operations
3.11	Supply-Driven Storage Ensemble Map	Execution Management	Supply Mgmt Strategy (SOI)	Shows how storage ensembles can be derived using supply driven rationalization of storage policies	Architects Engineers, Operations
3.12	Workload Allocation Policy Overview	Execution Management	Execution Mgmt Strategy	Shows an overview of different workload allocation policies. Overview of all Process Execution Destination (PED) types, their capabilities, and the problem domains they address. This diagram makes it is easier to perform side by side comparisons" in order to effectively choose an approach. The result is to pick one of the following sheets (3.13, 3.14, 3.15, 3.16, 3.17)	"IT Senior Staff, Architects Engineers, Operations, Application Owners
3.13	Static Workload Allocation Policy	Execution Management	Execution Mgmt Strategy	One of several choices for allocating workload. Picture shows an approach assuming no dynamic load balancing of resources	"IT Senior Staff, Architects Engineers, Operations, Application Owners
3.14	Virtual Workload Allocation Policy	Execution Management	Execution Mgmt Strategy	Depiction of the problems domains addressed by the use of the capabilities provided by the Virtual PED	"IT Senior Staff, Architects Engineers, Operations, Application Owners
3.15	Temporal Workload Allocation Policy	Execution Management	Execution Mgmt Strategy	Depiction of the problems domains addressed by the use of the capabilities provided by the Temporal PED	"IT Senior Staff, Architects Engineers, Operations, Application Owners
3.16	Dynamic Workload Allocation Policy	Execution Management	Execution Mgmt Strategy	Depiction of the problems domains addressed by the use of the capabilities provided by the Dynamic PED	"IT Senior Staff, Architects Engineers, Operations, Application Owners
3.18	Demand Driven Execution Management	Execution Management	Execution Mgmt Strategy	Provides an overview introduction to execution management. It shows the scope of dynamic infrastructure management capabilities that must be adopted to achieve a real-time infrastructure (RTI). It is expected that the organization would adopt these in phases using a top-down process	"IT Senior Staff, Architects Engineers, Operations, Application Owners
3.19	Server Ensemble Workload Profile Mapping	Execution Management	Supply Mgmt Strategy (SOI)	Shows how QPs lead to the selection of server ensembles. This highlights the chosen ensemble in terms of the major aspects that determine its choice and its typical processing requirements. Aspects may include the typical pattern affinity, typical application usages, QoE expectations, consumer (patterns) processing requirements, and highlights of its capabilities	Architects Engineers, Operations
3.20.	Supply Driven Execution Management	Execution Management	Execution Mgmt Strategy	Provides an overview introduction to execution management. It shows the scope of dynamic infrastructure management capabilities that must be adopted to achieve a RTI. It is expected that the organization would adopt these in phases using a bottom-up process (This sheet is mutual exclusive with sheet 3.18, only one approach will be taken per project)	"IT Senior Staff, Architects Engineers, Operations, Application Owners
3.21	Supply Driven Server Ensemble Map	Execution Management	Supply Mgmt Strategy (SOI)	Shows how IT server types can be rationalized into fewer canonical builds via the use of server ensembles	Architects Engineers, Operations

Ref#	Sheet Type	Dimension	Topic	Description	Audience
3.22	Server Ensemble Detail	Execution Management	Supply Mgmt Strategy (SOI)	Shows the technical capabilities (TC) within a server ensemble. This highlights the key TCs that the chosen ensembles must have. It also shows nesting of the base ensembles that the chosen ensemble uses	Architects Engineers, Operations
3.23	Monitoring Capability Strategy	Execution Management	Execution Mgmt Strategy	Shows the monitoring stack with applicable elements highlighted	"IT Senior Staff, Architects Engineers, Operations, Application Owners
3.24	Execution Management Services Stack	Execution Management	Execution Mgmt Strategy	Shows the runtime services by *enterprise stack layer* down to the *execution management layer*. There are many runtime services required to make an ensemble run effectively. This sheet is a subset of the entire *runtime services framework stack*	Architects Engineers, Operations, Application Owners
3.25	PEM Service Portfolio Mapping	Execution Management	Execution Mgmt Strategy	Shows a summary of capabilities and value of the TC in the *runtime services framework stack*	"IT Senior Staff, Architects Engineers, Operations, Application Owners
3.26	Resource Utilization Forecast	Execution Management	Demand Mgmt Strategy (SOA)	Shows resource consumption per unit of work based on the deployment topology used by the application	Application Owners, Architects, Engineers
3.27	Predicted Resource Heat Map	Execution Management	Demand Mgmt Strategy (SOA)	Shows the QoE and resource gaps based on the ensembles selected and previously gathered forensic data about the application	Application Owners, Architects, Engineers
3.28	Supply Management Strategy	Execution Management	Supply Mgmt Strategy (SOI)	Provides contextual overview of the supply management strategy steps	Architects Engineers, Operations
3.29	Server Ensemble Family	Execution Management	Supply Mgmt Strategy (SOI)	Introduces the repertoire of server *ensembles*. This provides an overview of the server ensemble family, showing the representative capabilities that each ensemble would employ. It also show how base ensembles are used to build more complex ones.	Architects Engineers, Operations
3.30	Business Activity Server Ensemble Map	Execution Management	Supply Mgmt Strategy (SOI)	Shows how BAs are allocated to server ensembles. Summarizes the linkage between business demand characteristics and IT supply	"IT Senior Staff, Architects Engineers, Operations
3.31	Business Activity Security Ensemble Map	Execution Management	Supply Mgmt Strategy (SOI)	Shows how BAs are mapped to security ensembles, which determine applicable security policies	"IT Senior Staff, Architects Engineers, Operations
3.32	Supply Driven Security Ensemble Map	Execution Management	Supply Mgmt Strategy (SOI)	Shows how security concerns are mapped to security ensembles which determine applicable security policies	Architects Engineers, Operations
3.33	Security Ensemble Detail	Execution Management	Supply Mgmt Strategy (SOI)	Shows the TC within a security ensemble	Architects Engineers, Operations
3.34	Business Activity Network Ensemble Map	Execution Management	Supply Mgmt Strategy (SOI)	Shows how BA are mapped to network ensembles which determine applicable network policies	"IT Senior Staff, Architects Engineers, Operations
3.35	Supply Driven Network Ensemble Map	Execution Management	Supply Mgmt Strategy (SOI)	Shows how network resources are mapped to network ensembles which determine applicable network policies	Architects Engineers, Operations
3.36	Network Ensemble Detail	Execution Management	Supply Mgmt Strategy (SOI)	Shows the TCs within a network ensemble	Architects Engineers, Operations
3.37	Data Usage Workload Qualities	Execution Management	Supply Mgmt Strategy (SOI)	Summary of the typical workload qualities exhibited by various file types that would be used in the organization	Architects, Engineering
3.38	Data Management Qualities	Execution Management	Supply Mgmt Strategy (SOI)	Summary of the typical data management policies that would be used to manage the data workload types that would be used in the organization	Architects , Engineering
3.39	Storage Ensemble Detail	Execution Management	Supply Mgmt Strategy (SOI)	Shows the TC within a storage ensemble	Architects Engineers, Operations
3.40	Database Server Detail	Execution Management	Supply Mgmt Strategy (SOI)	Shows the TC for a database Server	Architects Engineers, Operations
3.41	Resource Pool Sizing Analysis	Execution Management	Execution Mgmt Strategy	Shows analysis used to dimension the size of the resource pool	Architects Engineers, Operations, Application Owners
3.43	Cloud Allocation Policy	Execution Management	Execution Mgmt Strategy	Depiction of the problems domains addressed by the use of the capabilities provided by the Cloud PED	"IT Senior Staff, Architects Engineers, Operations, Application Owners
3.44	Cloud Decision Support Summary	Execution Management	Execution Mgmt Strategy	Shows a summary of the answers to the 19 questions about demand characteristics that will indicate best fit for a cloud model. Shows recommended cloud fit for an application	Architects Engineers, Operations, Application Owners
3.45	PED/ PEM Capability Resource Mapping	Execution Management	Execution Mgmt Strategy	Shows the relationship between the PED, and the chosen ensemble's capabilities, the business demand requirements that drove the ensemble choice, and the infrastructure processing requirements	Architects , Engineering, Operations

Ref#	Sheet Type	Dimension	Topic	Description	Audience
3.46	Application Deployment Topology	Execution Management	Demand Mgmt Strategy (SOA)	Depicts the topology of an application in terms of the physical assets included in the deployment (servers, network switches, etc.)	Application Owners, Architects, Engineers
3.47	Data Flow Map	Execution Management	Demand Mgmt Strategy (SOA)	Conveys information on how the depicted application collects and sends data to collaborating applications	Application Owners, Architects
3.48	Logical Partitioning & Allocation Architecture	Execution Management	Demand Mgmt Strategy (SOA)	Depicts a deployment's physical assets according to architectural layers such as access, mediation, service and SOA layers	Application Owners, Architects, Engineers
3.49	Logical Application Dependency	Execution Management	Demand Mgmt Strategy (SOA)	Shows the relationship the application in focus has with other applications in terms of the legs of the Porter BVC. This sheet can be used to visualize the criticality of related applications for discussions relating to business continuity planning	Application Owners, Architects, Engineers
3.50	Physical Application Dependency	Execution Management	Demand Mgmt Strategy (SOA)	Shows the relative "network" distance in terms of hops between servers of an application, and it collaborators	Application Owners, Architects, Engineers
3.51	Shared Resource Consumption by Host Resource Usage Sharing by Host	Execution Management	Demand Mgmt Strategy (SOA)	A holistic view of resource consumption on a shared physical server. Depicts the consumption by applications sharing that server within virtual machines. Resources shown include network, compute, memory and storage.	Architects Engineers, Operations
3.52	Shared Resource Consumption by Host Type Resource Usage Sharing By Host Type	Execution Management	Demand Mgmt Strategy (SOA)	A holistic view of resource consumption across a class of servers that are shared (e.g. a set of application servers). Depicts consumption by applications sharing that server within virtual machines. Resources shown include network, compute, memory and storage.	Architects Engineers, Operations
3.53	Logical Platform Blueprint (Hardware System View)	Execution Management	Supply Mgmt Strategy (SOI)	A view of capabilities with an emphasis on the infrastructure view by leading with facilities and hardware capabilities and then layering in infrastructure management capabilities. This can be contrasted with 4.18 (Technical Capability Manifest) which also shows capabilities but the leads with software architectural layers which are then followed by the infrastructure management capability layers. This sheet (3.53) appeals to a more traditional siloed infrastructure view of the logical platform whereby facilities, compute, storage and network are typically organizationally aligned	Architects Engineers, Operations, Application Owners
3.54	Application Suite Summary Forensic Data	Execution Management	Supply Mgmt Strategy (SOI)	Shows resource consumption for a chosen suite of applications (resource metrics for compute, memory, storage and network) are included in a bar graph	Senior IT Executives, Architects, Application Owners
4.00	Supply Outputs	Supply	Cover Sheet	Title page for Supply	Universal IT
4.01	Problem Remediation Overview	Supply	Problem Remediation	Illustrates the relationship between symptoms, problems, remediations and capabilities	"IT Senior Staff, Architects Engineers, Operations, Application Owners
4.02	Symptom Summary	Supply	Problem Remediation	Presents a list of symptoms and the known problem (KP) that they were associated with	"IT Senior Staff, Architects Engineers, Operations, Application Owners
4.03	Forensic Heat Map to Symptoms	Supply	Problem Remediation	Identifies the recurring symptoms found in the Forensic Heat Map Synthesis tables	Architects Engineers, Operations, Application Owners
4.04	Deployment Pattern - Known Problems	Supply	Problem Remediation	A depiction of the chosen typical DP. This highlights the typical arrangement of the deployed server types. The key value of this diagram is showing the typical problems that occur in traditional deployments	Architects Engineers, Operations, Application Owners
4.05	Deployment Pattern - Suggested remediations	Supply	Problem Remediation	Introduces the specific remediation tactics for the KPs typically found in the selected DP. These remediation tactics were selected by the user	Architects Engineers, Operations, Application Owners
4.06	Functional Pattern Known Problems	Supply	Problem Remediation	A depiction of the chosen FP in a typical DP. This highlights the typical location of the functional components onto the deployed server types. The key value of this diagram is showing the typical problems that occur in traditional deployments.	Architects Engineers, Operations, Application Owners
4.07	Functional Pattern: Suggested Remediations	Supply	Problem Remediation	Introduces the specific remediation tactics for the KPs typically found in the selected FP. These remediation tactics were selected by the user	Architects Engineers, Operations, Application Owners
4.08	Demand Driven PED Introduction	Supply	Resource Profile	Presents an overview of how the logical content of a PED is mapped onto fit-for-purpose resources	Senior IT Staff, Architects Engineers, Operations, Application Owners
4.09	Supply Driven PED Introduction	Supply	Resource Profile	Presents an overview of how the supply-driven content of a PED is mapped onto fit-for-purpose resources (this sheet is mutually exclusive with 4.8 as it attacks the problem from a different approach)	Senior IT Staff, Architects Engineers, Operations, Application Owners
4.11	Automated Application Deployment and Activation	Supply	Resource Profile	Shows how a grid / transaction broker can be used to deploy application environments faster than using classical provisioning methods	Application Architect, Engineering , Operations

Ref#	Sheet Type	Dimension	Topic	Description	Audience
4.12	Dynamic Service Provisioning	Supply	Resource Profile	Shows how a grid / transaction broker can ready execution environments faster than using classical provisioning methods.	Application Architect, Engineering , Operations
4.13	Runtime Workload Orchestration	Supply	Resource Profile	Shows how a grid / transaction broker can rebalance workload dynamically as demand changes	Application Architect, Engineering , Operations
4.14	Automatic Service Pool Provisioning	Supply	Resource Profile	Shows hoe a grid / transaction broker can add additional resources to the resource pool if workload orchestration cannot keep up to demand due to inadequate supply	Application Architect, Engineering , Operations
4.15	Storage Tiers	Supply	Resource Profile	Shows the full policy applied to each storage tier	Engineer
4.16	Demand Driven PED Sizing Analysis	Supply	Resource Profile	Shows the actual PED supply by workload and the execution level agreement (ELA) that is being committed	Engineer, Architect
4.17	Supply Driven PED Sizing Analysis	Supply	Resource Profile	Shows the actual PED supply by resource consolidation and the ELA that is being committed (his sheet is mutual exclusive with the 4.16)	Engineer, Architect, Operations
4.18	Technology Capability Manifest	Supply	Resource Profile	Presents all the TC that are required: including PED and runtime services capabilities	Architects, Engineering
4.19	PED Bill of Materials	Supply	Resource Profile	Presents only the *new* capabilities that must be acquired as part of the solution	Architects, Engineer
4.21	Info Pattern - Security KP	Supply	Problem Remediation	Illustrates the security-related KP	Architects Engineers, Operations, Application Owners
4.22	Info Pattern - Network KP	Supply	Problem Remediation	Illustrates the network KP	Architects Engineers, Operations, Application Owners
4.23	Info Pattern - Storage KP	Supply	Problem Remediation	Illustrates the storage KP	Architects Engineers, Operations, Application Owners
4.24	Technical Capability KP	Supply	Problem Remediation	Associates symptoms to technical capabilities	Architects Engineers, Operations, Application Owners
4.25	Process Capability KP	Supply	Problem Remediation	Associates symptoms to process capabilities	Architects Engineers, Operations, Application Owners
4.26	Information - Security Pattern Suggested Remediations	Supply	Problem Remediation	Introduces the remediations for the security pattern KPs	Architects Engineers, Operations, Application Owners
4.27	Information Network Pattern Suggested Remediations	Supply	Problem Remediation	Introduces the remediations for the network pattern KPs	Architects Engineers, Operations, Application Owners
4.28	Information Storage Pattern Suggested Remediations	Supply	Problem Remediation	Introduces the remediations for the storage pattern KPs	Architects Engineers, Operations, Application Owners
4.29	Summary Technical Capability Suggested Remediations	Supply	Problem Remediation	Introduces remediations for TC related KP	" Architects Engineers, Operations, Application Owners
4.30	Process Capability Suggested Remediations	Supply	Problem Remediation	Introduces remediations for process capabilities (PC) and competency capabilities (CC) related KPs	Architects Engineers, Operations, Application Owners
4.31	Thin Provisioning Rules	Supply	Resource Profile	Shows the details of the thin provisioning policies to be applied	Engineer
4.32	Resource Inventory By Application	Supply	Resource Profile	Shows which resources are used by an application	Engineer, Architect, Operations, Application Owner
4.33	Resource Inventory Usage Schedule by Resource Type	Supply	Resource Profile	Shows how all resource types are used over time (across all applications) so that periods of inactivity can be identified	Engineer, Architect, Operations, Application Owner
4.34	Resources Reuse Summary	Supply	Resource Profile	Shows which resources are reused due to resource optimization by time or by priority	Engineer, Architect, Operations, Application Owner
4.35	PED Service Continuity	Supply	Facilities Impact	Shows service continuity considerations relative to other workloads	"Engineer, Operations
4.20.	Footprint Consumption (Rack View) PED Profile	Supply	Facilities Impact	Shows physical footprint, power and cooling of PED	"Engineer, Operations
4.36	Footprint Consumption Cross PED Summary	Supply	Facilities Impact	Shows footprint consumption (floor view) across PEDs	"Engineer, Operations
4.37	Power Consumption Cross PED Summary	Supply	Facilities Impact	Shows power consumption (floor view) across PEDs	"Engineer, Operations
4.38	Cooling Consumption Cross PED Summary	Supply	Facilities Impact	Shows cooling consumption (floor view) across PEDs	"Engineer, Operations
4.39	PED Facilities Cost Analysis	Supply	Facilities Impact	Shows the financial aspect of the PED	"Engineer, Operations
4.40	Next Gen Data Center Financial Summary	Supply	Facilities Impact	Shows internal vs. external cost tradeoffs	"Engineer, Operations
4.41	Application Optimization Storyboard	Supply	Problem Remediation	Overview of a three-phased approach to remediating typical problems in a traditional rigid infrastructure deployment of an e-Commerce application	Architects, Senior IT, Application Owners, Engineering , Operations
4.42	Virtualization Optimization Storyboard	Supply	Problem Remediation	Overview of a three-phased approach to remediating typical problems in a traditional virtual server farm that does not have real-time policy-based allocation	Architects, Senior IT, Application Owners, Engineering , Operations

Ref#	Sheet Type	Dimension	Topic	Description	Audience
4.43	Dev/Test Optimization Storyboard	Supply	Problem Remediation	Overview of a three-phased approach to remediating typical problems in a traditional dev / test environment that is under utilized	Architects, Senior IT, Application Owners, Engineering , Operations
4.44	Infrastructure Rack Depiction	Supply	Resource Profile	A logical view of a potential physical rack layout of physical components that provide those infrastructure capabilities (such as compute, memory, storage, network)	Architects, Senior IT, Application Owners, Engineering , Operations
5.00	Operations Outputs	Operations	Cover Sheet	Title page for Operations	Universal IT
5.01	Technical Capabilities by IT Function	Operations	Capability Inventory	Shows TCs using the lens of IT Functions	Senior IT Staff
5.02	Technical Capabilities by IT Process Area	Operations	Capability Inventory	Shows TCs using the lens of IT Process Areas	Senior IT Staff
5.03	Capability Summary Scorecard by IT Function	Operations	Capability Inventory	Scorecard of overall capability maturity by IT Function	Senior IT Staff
5.05	IT Organization by IT Function	Operations	Operational Model	Shows how the IT organizational structure is mapped into the IT functions of the operational model	Senior IT Staff
5.06	IT Organization by IT Process	Operations	Operational Model	Shows how the IT organizational structure is mapped into the IT Process Areas of the operational model	Senior IT Staff
5.07	Operational Policy TC Detail	Operations	Operational Model	Shows the operational policies that should be added to the run book for each new TC in this solution	Operations Staff
5.08	Operational Policy PC Detail	Operations	Operational Model	Shows the PCs that are being introduced for this solution	Operations Staff
5.09	Resource Maintenance Schedule	Operations	Operational Model	Shows the windows when resources can be taken offline for maintenance	Operations Staff
5.10	Process Assessment Detail Report	Operations	Capability Inventory	Shows the results of assessing existing PCs	Senior IT Staff
5.11	Technical Assessment Detail Report	Operations	Capability Inventory	Shows the results of assessing existing TCs	Senior IT Staff
5.12	Competency Assessment Detail Report	Operations	Capability Inventory	Shows the results of assessing existing CCs	Senior IT Staff
5.13	Process Capabilities by IT Process Area	Operations	Capability Inventory	Shows PCs using the lens of IT Process Areas	Senior IT Staff
5.14	Process Capabilities by IT Function	Operations	Capability Inventory	Shows PCs using the lens of IT Functions	Senior IT Staff
5.15	Process Capabilities by Utility Focus Area	Operations	Capability Inventory	Shows PCs using the lens of IT Utility Focus Areas	Senior IT Staff
5.16	Technical Capabilities by Utility Focus Area	Operations	Capability Inventory	Shows TCs using the lens of IT Utility Focus Areas	Senior IT Staff
5.17	Competency Capabilities by IT Function	Operations	Capability Inventory	Shows CCs using the lens of IT Functions	Senior IT Staff
5.18	Capability Summary Scorecard by IT Process Area	Operations	Capability Inventory	Scorecard of overall capability maturity by IT Process Area	Senior IT Staff
5.19	Capability Summary Scorecard by Utility Focus Area	Operations	Capability Inventory	Scorecard of overall capability maturity by Utility Focus Area	Senior IT Staff
5.20	Capability Transition Heatmap	Operations	Capability Improvement	Shows a heat map that highlights where the capabilities being added are in relation to the utility operations model.	Senior IT Staff
5.21	Focus Area Selection and Constraints	Operations	Capability Improvement	Shows which criteria were used to include / exclude capabilities for improvement	Senior IT Staff
5.22	Capability Improvement Program	Operations	Capability Improvement	Shows the order and timeline for capability improvement	Senior IT Staff
6.00	Governance Outputs	Governance	Cover Sheet	Title page for Governance	Universal IT
6.01	ATAM Evaluation by Technical Capability	Governance	IT Resource Mgmt	Logs evaluation for a particular capability / product so that the decisions for accepting / rejecting are logged	Architects, Engineering
6.02	IT Strategic Alignment	Governance	Strategic Alignment	Shows the steps and stakeholders involved to successfully create a sustainable IT alignment model	Senior IT Staff

Ref#	Sheet Type	Dimension	Topic	Description	Audience
6.03	IT Planning Objectives	Governance	Strategic Alignment	Shows radiograph of IT KPIs similar in layout to business KPIs. Also shows the IT improvement projects that are intended to close the gap on each arm of the radiograph	Senior IT Staff
6.04	IT Strategic Alignment Scorecard Detail	Governance	Strategic Alignment	Depicts the current alignment rating of IT to the business by IT function and process areas, focusing of alignment by capability and its priority	Senior IT Staff
6.05	IT Strategic Alignment Scorecard Summary	Governance	Strategic Alignment	A summarized view of 6.4 highlighting capabilities to focus on based upon IT KPIs and priorities	Senior IT Staff
6.06	IT Improvement Program by IT KPI	Governance	Strategic Alignment	A list of IT improvement programs that are aligned to specific IT KPIs, emphasizing progress by IT priority	Senior IT & Business Executives
6.07	IT Improvement Program by IT Function	Governance	Strategic Alignment	Improvement programs (see 6.6) organized by responsible IT function, highlighting accountability	Senior IT & Business Executives
6.08	Application Future State Portfolio	Governance	Strategic Alignment	Shows the *rolling* future state portfolio of applications with targeted lifecycle stage (usually 18-36 months in advance of current state)	Senior IT & Business Executives, Application Owners
6.09	Application Component Harvesting By Quarter	Governance	Strategic Alignment	A rolling snapshot of what components are being reused and contributed for reuse by *application* and *owner*; by *time* and *dependencies*	Senior IT Executives, Application Owners
6.10	Application Component Harvesting and Re-Use	Governance	Strategic Alignment	A list of reuse and contributions by application, owner and BF/BA	Senior IT Staff
6.11	Application Portfolio Transition	Governance	Strategic Alignment	Shows a rolling interim state of the application portfolio, marking progress in time increments comparing progress against current state, and movement to future state—usually by quarter	Senior IT & Business Executives, Application Owners
6.12	Application Current State Portfolio	Governance	Strategic Alignment	Shows the rolling current state portfolio of applications across BFs & BAs with assessment of their lifecycle stage	Senior IT & Business Executives, Application Owners
6.13	Application Status by Portfolio Process Stage	Governance	Strategic Alignment	Shows applications by lifecycle stage, focusing on one stage at a time as opposed to a timeline	Senior IT & Business Executives, Application Owners
6.14	IT Value Delivery	Governance	IT Value Delivery	How IT is measures value in terms of dollars spent while meeting business and IT defined KPIs	Senior IT & Business Executives
6.15	IT Value Model by Project	Governance	IT Value Delivery	Shows status of specific project value measures	Senior IT & Business Executives, Application Owners
6.16	Value Delivered Summary	Governance	IT Value Delivery	Summarizes where IT has delivered value and how it was measured	Senior IT & Business Executives
6.17	Utility Utilization Strategy	Governance	IT Value Delivery	Describes how IT plans to increase utilization in the IT utility, breaking the grip of siloed dedicated hardware	Senior IT & Business Executives
6.18	Utility Investment in Transformation	Governance	IT Value Delivery	What investment IT is making in transforming applications to the utility, this relates to cost across all capabilities	Senior IT & Business Executives
6.19	Utility Resource Re-Useable Capacity Plan	Governance	IT Value Delivery	Describes expected results for ensuring reusable of the utility based on measurable criteria	Senior IT & Business Executives
6.20	Utility Resource Re-use by Project	Governance	IT Value Delivery	Emphasizes utility reuse progress by project as a measure	Senior IT & Business Executives, Application Owners
6.21	Risk Management	Governance	Risk Management	A summary of risks in the environment based on various categories	Senior IT & Business Executives
6.22	IT Policy by IT Function	Governance	Risk Management	Definitions of IT policies by IT function used as a measure for compliance	Senior IT & Business Executives
6.23	IT Policy Compliance by Project	Governance	Risk Management	Summary of projects and their compliance status by various categories (e.g. security, reliability, legacy exposure)	Senior IT & Business Executives, Application Owners
6.24	Architecture Review Process	Governance	Risk Management	A guidance for types of architecture reviews to perform including participants, outputs, preparation	Senior IT & Business Executives
6.25	Architecture Council Strategic Priorities	Governance	Risk Management	Defined priorities that feed IT KPIs by category, date and progress, defining measures of success	Senior IT Executives, Architects
6.26	Application Architecture Review Status	Governance	Risk Management	Organized list of architecture review status by project, application, review type, and compliance	Senior IT Executives, Architects, Application Owners
6.27	Application Review Scorecard	Governance	Risk Management	The detailed review, working sheet used for the exercise: includes a questionnaire per review type.	Architects, Application Owners
6.28	Architecture Remediation Action Plan by Application	Governance	Risk Management	A specific set of actions that must be addressed to meet the architecture review recommendations	Senior IT Executives, Architects, Application Owners

Ref#	Sheet Type	Dimension	Topic	Description	Audience
6.29	Operational Risk Reduction Strategic Priorities	Governance	Risk Management	A list of risk reduction initiatives and their priorities and its alignment to IT KPIs	Senior IT Executives,
6.30	Operational Risk Reduction by Capability	Governance	Risk Management	Highlights what capability risks and gaps must be fixed	Senior IT Executives, Architects
6.31	Operational Risk Reduction by Capability by Project	Governance	Risk Management	Details capability gaps/ risks that must be fixed by project	Senior IT Executives, Architects, Application Owners
6.32	IT Performance Management	Governance	IT Performance Mgmt	Summary of the current state of IT as it relates to maturing its organization and capabilities	Senior IT Executives,
6.33	Capability Assessment by IT Function	Governance	IT Performance Mgmt	Maturity assessment of capabilities by IT functions, highlighting accountability.	Senior IT Executives,
6.34	Capability Approval Decision Log	Governance	IT Performance Mgmt	Summarizes the process of deciding upon what capabilities to introduce based on risk analysis	Application Architect, application Owners, Engineering, Operations
6.35	Capability Usage and Approval by IT Project	Governance	IT Performance Mgmt	A log of capability approvals by IT project which assists in compliance tracking	Senior IT Executives, Architects, Application Owners
6.36	IT Function Capability Maturity Roadmap	Governance	IT Performance Mgmt	State of capability maturity and adoption highlighting anticipated progress	Senior IT Executives, Architects, Application Owners
6.37	Capability Maturity Improvement by Utility Focus Area	Governance	IT Performance Mgmt	Highlights capability improvement by focus area to assist in tracking categories that will need more effort. Related to risk	" Senior IT Executives, Architects
6.38	SLA by Business Value Chain Function	Governance	IT Performance Mgmt	Related to QoE profiles, business drivers and demand characteristics, defines typical performance and reliability expectations of a BF, establishing a baseline which can be altered per BA and application / workload	Senior IT Executives, Architects, Business Analysts, Application Owners
6.39	OLA by Application	Governance	IT Performance Mgmt	Defined agreement between operations and the application owners as to the expected resources available for the application on a daily cycle. Creates a base line for cost	Architects, Engineering, Application Owners, operations
6.40	ELA by PED	Governance	IT Performance Mgmt	Establishes how resources will be utilized per platform (PED). This needs to be defined if PED is dedicated or part of a utility, so the resource availability is clear	Engineering, Operations
6.41	IT Resource Management	Governance	IT Resource Mgmt	Overall scope and strategy of IT resource management, including steps and processes	Senior IT Executives, Architects, Operations
6.42	"Architecture Principles, Policies, & IT Standards"	Governance	IT Resource Mgmt	Lists defined IT principles and their relationships to IT KPIs, business KPIs and its impact on policies and standards	Senior IT Executives, Architects,
6.43	IT Principles Mapped to Applications	Governance	IT Resource Mgmt	Lists what IT principles have been embraced by applications. Not all principles apply, but this serves as a measuring stick for architecture reviews	Senior IT Executives, Architects, Business Analysts, Application Owners
6.44	IT Standards Rationalization Process Storyboard	Governance	IT Resource Mgmt	Depicts how the IT standards rationalization process works, includes steps, inputs and outputs, actors	Senior IT Executives, Architects, Engineering, Operations
6.45	IT Standards Rationalization	Governance	IT Resource Mgmt	A series of tables that show products and their defined lifecycle stage	Architects, Engineering
6.46	Product Lifecycle Rationalization Process Storyboard	Governance	IT Resource Mgmt	Shows steps to rationalize groups of capabilities into a form that drives down redundant proliferation of instances (e.g. too many versions of an operating system product)	Senior IT Executives, Architects, Engineering, Operations
6.47	Physical Ensemble Bill of Materials Product Lifecycle Rationalization	Governance	IT Resource Mgmt	Highlights the quality class of HW, (compute, network, storage, memory) that would be required to be placed into the PED to make the ensemble work	Architects, Engineering, Operations
6.48	Product Lifecycle Adoption Curve	Governance	IT Resource Mgmt	Calculated chart showing the progress of adoption and sunset by lifecycle stage of a particular product over time	Senior IT Executives, Architects, Engineering, Operations
6.49	Architecture Standards Usage by Project	Governance	IT Resource Mgmt	Indicates what defined standards are used per project, used for exception and compliance tracking	Senior IT Executives, Architects, Engineering, Operations, Application Owners
6.50	Corporate ATAM Standards	Governance	IT Resource Mgmt	Defined list of measures used to consistently evaluate a capability or architecture, utilized in all technical reviews	Senior IT Executives, Architects
6.51	Product Lifecycle Rationalization by Platform	Governance	IT Resource Mgmt	Comprehensive list of all instances of a product type (operating system), listed by time and lifecycle stage. Shows progress in adoption and sunsetting	Architects, Engineering, Operations
6.52	Software Stack Rationalization	Governance	IT Resource Mgmt	Provides guidance on how the varied software revisions that proliferate an organization can be brought under control with the use of ensembles—PEDs in phases. This is phase 1, which emphasizes software stack rationalization	Architects, Engineering, operations

Ref#	Sheet Type	Dimension	Topic	Description	Audience
6.53	Product Lifecycle Rationalization Process Storyboard	Governance	IT Resource Mgmt	Depicts the steps, actors and data required to effectively create this process	Architects, Engineering, operations
6.54	Platform (Ensemble) Configuration Detail Platform Configuration Rationalization Process	Governance	IT Resource Mgmt	A table of decisions made about all the capability choices made for an ensemble, and its predicted resource consumption of all infrastructure capabilities	Architects, Engineering, operations
6.55	Infrastructure Standardization	Governance	IT Resource Mgmt	Provides guidance on how the varied software revisions that proliferate an organization can be brought under control with the use of ensembles—PEDs in phases. This is phase two, which emphasizes infrastructure standardization into optimized footprints	Architects, Engineering, operations
6.56	Platform Configuration Decision Analysis Ensemble Configuration Decision Analysis	Governance	IT Resource Mgmt	Illustrates the configuration details required to properly setup any ensemble image so that it will have the appropriate resources upon activation. This is a step toward structuring the product	Architects, Engineering, operations
6.57	Deployment Optimization	Governance	IT Resource Mgmt	Provides guidance on how the varied software revisions that proliferate an organization can be brought under control with the use of ensembles—PEDs in phases. This is phase three, which emphasizes the reduction of unnecessary network hops	"Engineering , Operations
6.58	Cloud Sourcing Policy	Governance	IT Resource Mgmt	Defined constraints and criteria for an application or workload to engage in the cloud by cloud type	Senior IT Executives, Application Owners, Senior Architects
6.59	Outsourcing Policy by Operations Function	Governance	IT Resource Mgmt	Lists the defined policies that each operations function must meet if it were to be outsourced	Senior IT Executives
6.69	Business Value Chain and Application Overview	Governance	Strategic Alignment	Focuses on where all applications are aligned to a business value chain leg (e.g. sales)	Senior Business &IT Executives, Application Owners
6.60	Application Workload Map	Governance	Strategic Alignment	Shows how applications are related to defined workloads in the business (workloads can transcend applications, e.g. general ledger)	Senior IT Executives, Application Owners
6.61	Applications by Business Functions	Governance	Strategic Alignment	Lists what business functions are covered by what applications	Senior IT Executives, Application Owners
6.62	Applications by Business Activities	Governance	Strategic Alignment	Lists what business activities which are aggregated by business functions) are associated with what applications	Senior IT Executives, Application Owners
6.63	Portfolio Gap: Business Activities Unsupported by Applications	Governance	Strategic Alignment	Highlights what business activities lack applications and thus automation.. Guides investment discussion	Senior IT Executives, Application Owners
6.64	"Portfolio Overlap: Applications by Business Activity, Affinity and Lifecycle"	Governance	Strategic Alignment	Shows the degree of affinity of all applications to business activities, their relative lifecycle stage and the degree of overlapping functionality that this causes	Senior IT Executives, Application Owners
6.65	Portfolio Exposure: End-of-Life Applications	Governance	Strategic Alignment	Highlights the risk exposure due to end life applications	Senior IT Executives, Application Owners
6.66	Business Activities by Application	Governance	Strategic Alignment	Shows how applications cover business activities	Senior IT Executives, Application Owners
6.67	Portfolio Conflict: KPI Models	Governance	Strategic Alignment	Shows how KPI models across BFs cause conflicting requirements for applications that span BFs	Senior IT Executives, Application Owners
6.68	Portfolio Conflict: Quality Profiles	Governance	Strategic Alignment	Shows QP conflicts for BAs and their potential impact on applications that span those BAs	Senior IT Executives, Application Owners