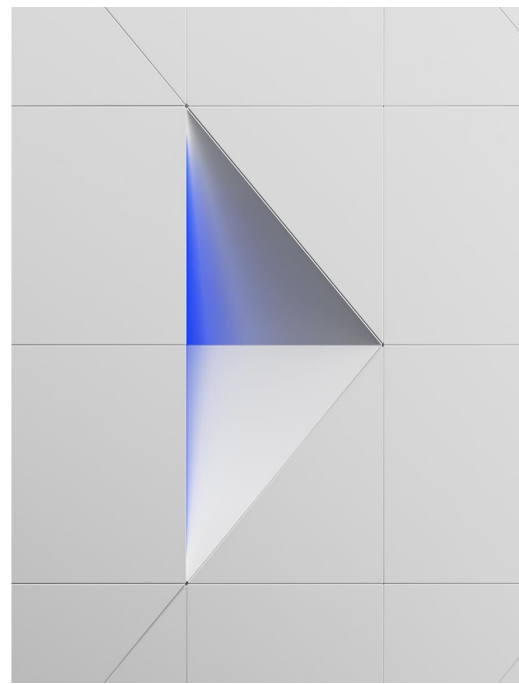


# IBM Z Parallel Sysplex Health Check

Prepared for Customer  
Month 2024

Draft: 06/13/2024



IBM Z WSC & Customer Confidential



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# IBM Z Health Check

## Contents

High Availability  
The Washington Systems Center  
IBM Z Health Check Process  
Timeline  
Data Collection  
Workshop Schedule and Requirements



# About the IBM Washington Systems Center



The IBM Z Washington Systems Center (WSC) organization works with Parallel Sysplex and IBM Z clients throughout the world to help them maximize the value they receive from their IBM systems.

WSC SMEs interface with the various labs to support IBM Z and Parallel Sysplex technologies.

The WSC Parallel Sysplex Health Check offering assists clients in identifying high priority availability and serviceability improvement opportunities within their Parallel Sysplex infrastructure.

The Health Check is a collaborative process that requires customer participation.





# IBM WSC Health Check Team



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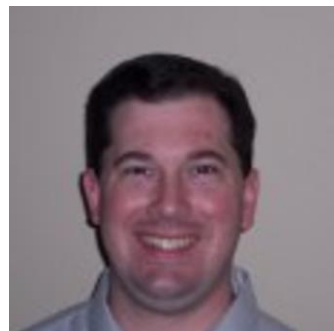
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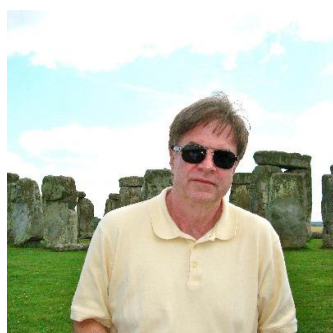
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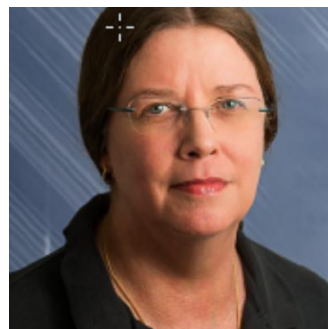
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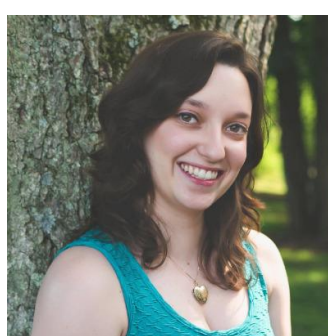
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# IBM WSC Health Check Team - extended



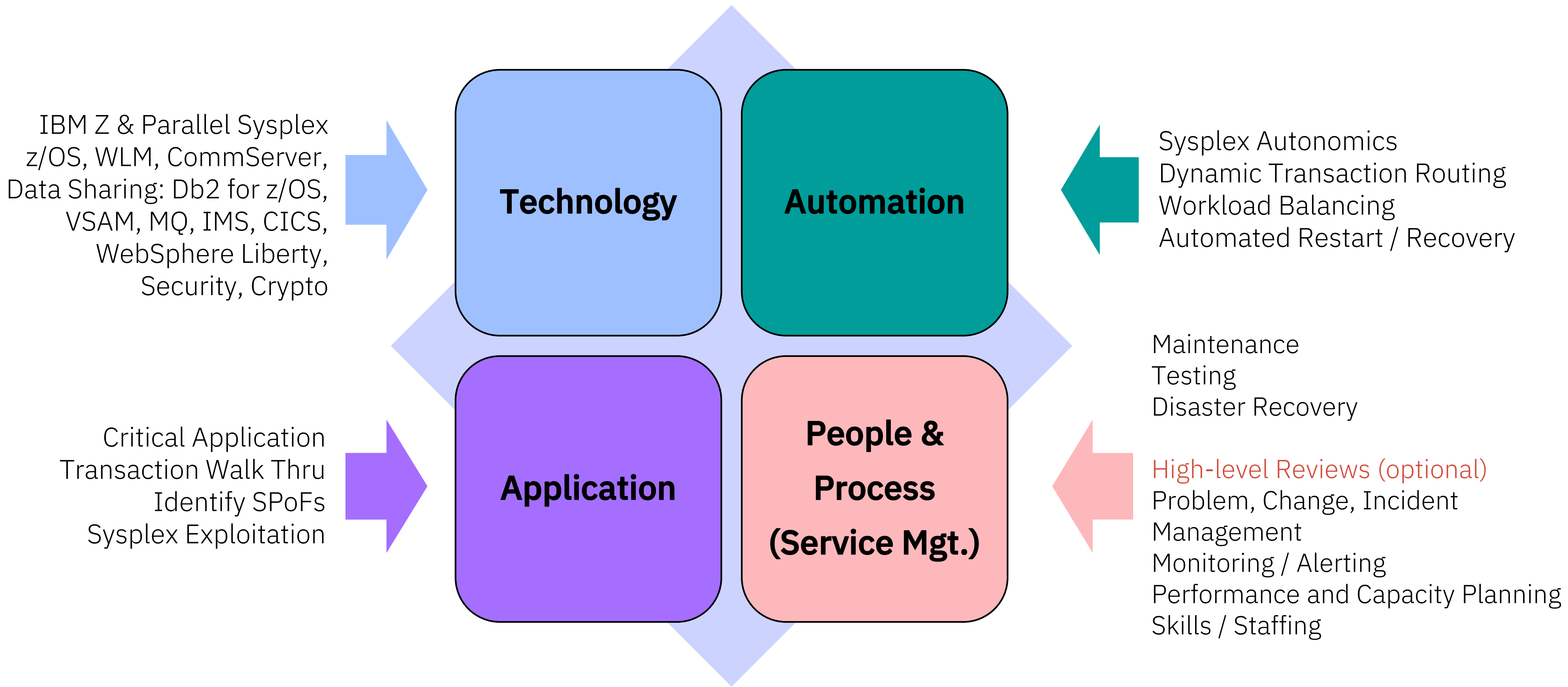
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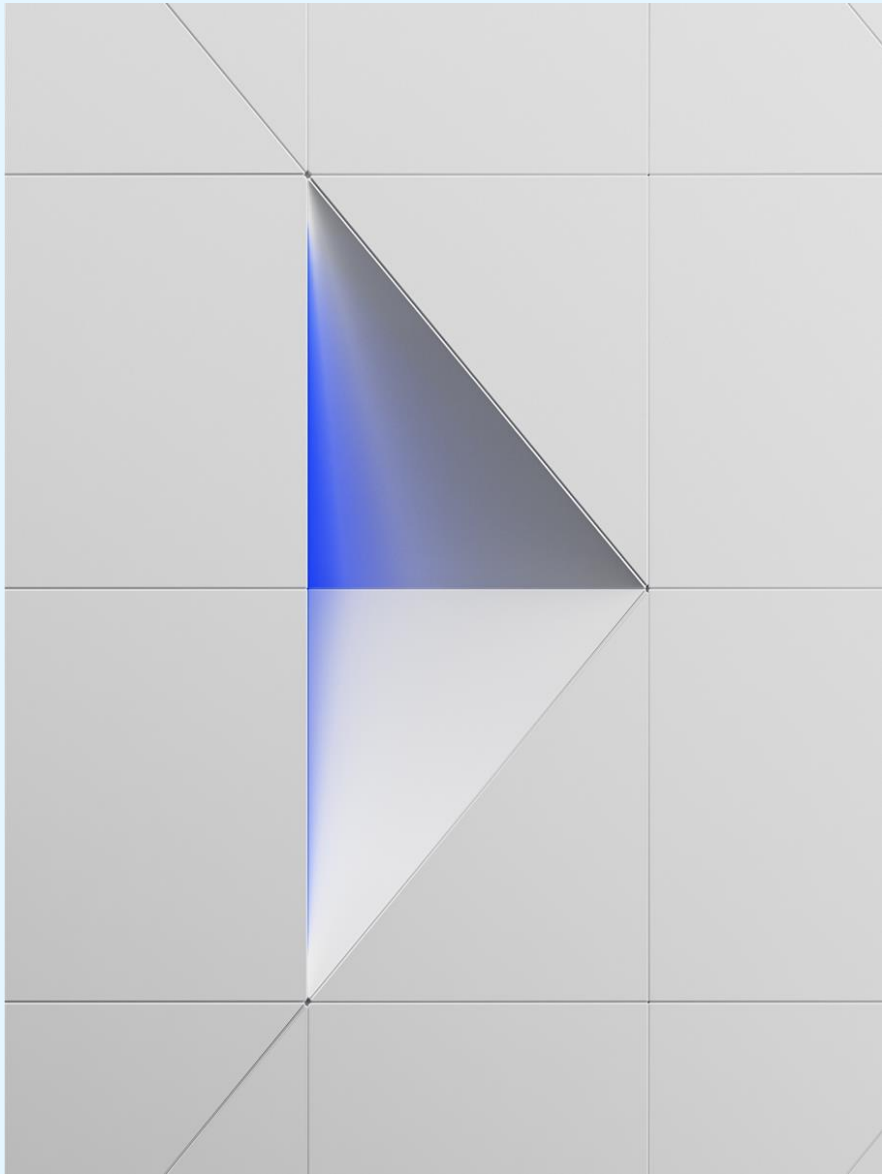
CICS Security



# High Availability Requires Focus Across Multiple Areas

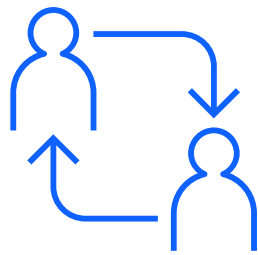


# IBM WSC Health Check Process



## Data Collection Process

IBM will deliver a data collection guide detailing the environment data and documents to be collected and sent to IBM for analysis  
Customer is responsible for collecting and sending the data to IBM



## Onsite Interviews

Collaborate with IBM SMEs in 1.5 day working session to review

- IT objectives and vision/future plans
- Non-functional business requirements service commitments, availability, recovery objectives
- Parallel Sysplex Configuration
- Application transaction walk-through to identify SPoFs, sysplex exploitation, and recovery issues
- High-level review of IT service management processes and procedures

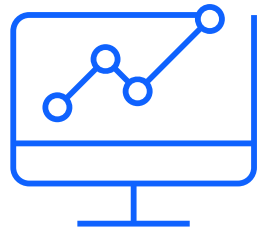


## Review Draft Report

Goal is to deliver the draft report within 2-3 weeks of the onsite visit

- Key observations
- Detailed technology and process recommendations

Joint review of IBM findings and recommendations with client technical teams  
Finalize the report

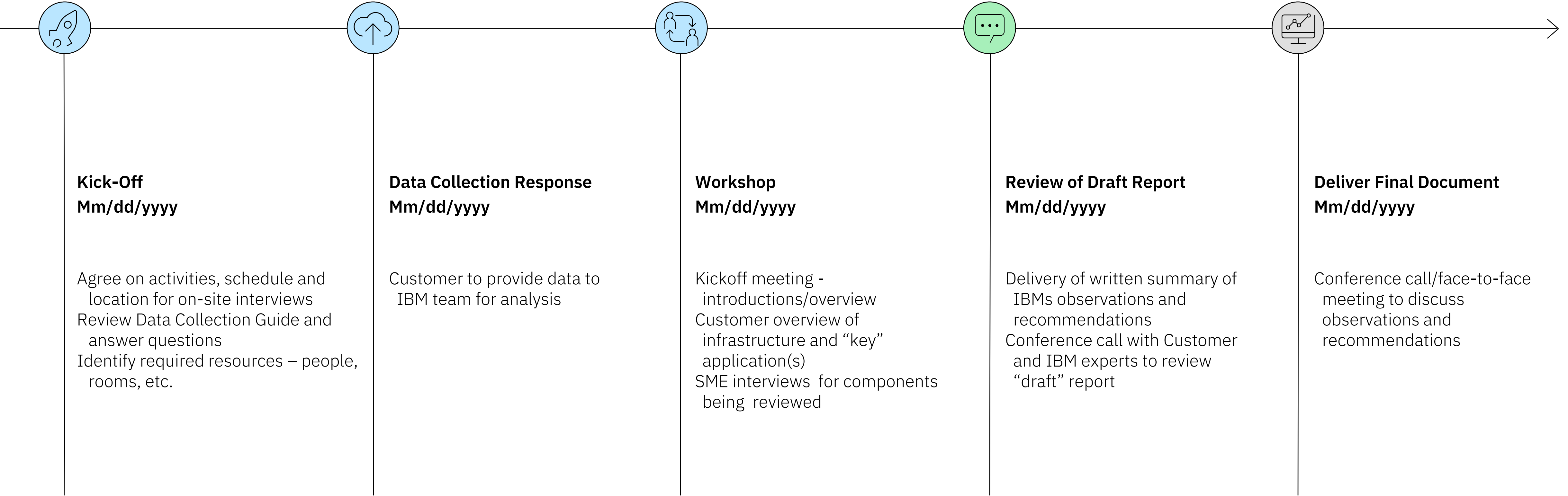


## Final Report

Deliver final report via conference call or optional face-to-face presentation

Customer

# ZHC Activity Overview and Schedule





# Data Collection Process

Review the Data Collection guide ahead of the health check as system changes may be required to collect the right data

- If you have any questions, please contact Mark Rader ([mrader@us.ibm.com](mailto:mrader@us.ibm.com))

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The data collection process asks for the following types of data:

- z/OS SMF data – 3 consecutive days
- CICS SMF data – peak 2-hour online and batch interval within the 3-day period
- Db2 SMF data – 3 consecutive days, plus displays for peak 2-hour online and batch interval within the 3-day period
- MQ SMF 115 and 116 records
- System PARMLIB data sets, display commands, sysplex policies, zOS health checker reports
- Parameters for the various subsystems – DFHSIT, DSNZPARMs, etc..
- Configuration schematics, etc..
- Other data as deemed necessary for analysis of each component

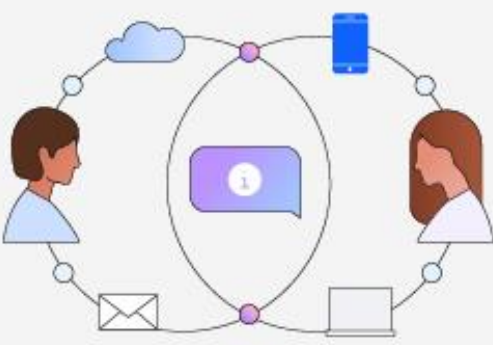
# ZHC Day 1 Schedule

Tue – m/dd (ET)	Location: On-site/Hybrid/Virtual	Lead	Customer Participants
9:00 – 9:10 AM	Workshop Kickoff Opening Remarks and Introductions	IBM	Full Workshop Team
9:10 – 9:20 AM	Project Kickoff and Importance to Customer	Customer	Full Workshop Team
9:20 – 9:30 AM	Engagement Overview and Schedule	IBM	Full Workshop Team
9:30 – 10:30 AM	Infrastructure Overview, Availability Objectives, Parallel Sysplex and Subsystem Configuration	Customer	Systems and Application Team
10:30 - 10:45 AM	BREAK		
10:45 – 12:00 PM	CICS Application Overview and Transaction Walk-through	Customer	Systems and Application Team
12:00 – 1:00 PM	LUNCH		
1:00 – 2:00 PM	Interview - z/OS, Sysplex	IBM	Individual Teams
2:00 – 3:00 PM	Interview - CICS	IBM	Individual Teams
3:00 – 5:00 PM	Interview - Db2 for z/OS	IBM	Individual Teams



# ZHC Day 2 Schedule

Wed – m/dd (ET)	Location: On-site/Hybrid/Virtual	Lead	Customer Participants
8:00 – 9:00 AM	Interview - IIB	IBM	Individual Team
9:00 – 10:00 AM	Interview - IMS	IBM	Individual Team
10:00 – 11:00 AM	Interview - MQ	IBM	Individual Team
11:00 – 12:0 PM	Interview - WLM, Performance	IBM	Individual Team
12:00 - 1:00 PM	LUNCH		
1:00 – 2:00 PM	Interview - Communications Server	IBM	Individual Team
2:00 – 3:00 PM	Interview – WebSphere Liberty	IBM	Individual Team
3:00 – 4:00 PM	Interview – WAS	IBM	Individual Team
4:00 – 5:00 PM	Interview – RACF/Encryption	IBM	Individual Team



# Workshop Resource Requirements

## Conference room requirements

- Large enough to accommodate the teams
- Accommodations for remote attendees
- PC Projector and white board

## Customer to present their environment and answer questions (2 hours)

- Business and IT Requirements/Objectives
  - Service levels, disaster Recovery RPO/RTO Objectives, planned outages, etc..
- Hardware and Software environment
- Parallel Sysplex and subsystem configuration
- Key/critical application overview and transaction walkthrough

## Component Interview Resources

- z/OS System Programmer
  - General z/OS setup, maintenance, IOCP, CF policies, etc.
- CICS System Programmer
  - CICS setup, administration, maintenance, tuning, etc..
- Db2 System Programmer
  - Db2 setup, zPARMs, maintenance, recovery,...
- Db2 Data Base Admin
- IMS Sysprog
- MQ Sysprog
- WebSphere Liberty Sysprog
- IIB Sysprog
- Commserver/Network Sysprog
- RACF Admin
- WLM & Performance Team
- Operations / Automation Team
- Storage Admin



# Thank You

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