

Enhancing Work Tracking & Analytics with Power BI, Microsoft Fabric, Power Apps and D365

This presentation showcases how a Daily Plan and Status Report (DPSR) sheet, combined with Microsoft Power BI (Fabric), and Power Apps streamlines work tracking and empowers data-driven decision making.





Challenges of the Previous DSR Sheet

Inconsistent Data Entry

Users often missed key details, creating data gaps and inaccuracies.

Manual Consolidation

Data from individual sheets needed to be merged manually, time-consuming and error-prone.

Limited Insights

The data structure made it difficult to analyze work efficiency and attendance trends.

Slow Report Generation

Monthly/yearly reports required significant manual effort, delaying insights.



Introducing the DPSR Sheet: A New Era of Work Tracking

Provides a standardized format for logging daily tasks, planned and actual work time, task status, work mode, and study references.

Enhances data consistency, ensuring accurate and reliable data for analysis.

Streamlines data entry, allowing users to log multiple tasks efficiently.

Automates tracking of work mode and attendance, enabling detailed analysis of work patterns.

4		Tales	Sales	\$010	2500	\$857	\$350	\$400	2000	\$100
5		Sale								
7		Yales	Marketing	\$560	1970	1577	1/50	1,300	18.70	\$100
10		Tales:								
11		Traes	Terbret	\$150	2050	\$4.70	\$400	7,300	22.30	\$100



Leveraging Power BI for Data Visualization and Insights



Work Rate

Visualizes each user's work rate based on planned time vs. actual time metrics.



Attendance Tracking

Monitors attendance trends for "Present," "Leave," and "Work-From-Home" days.



Task Completion

Analyzes task completion rates and identifies potential efficiency bottlenecks.

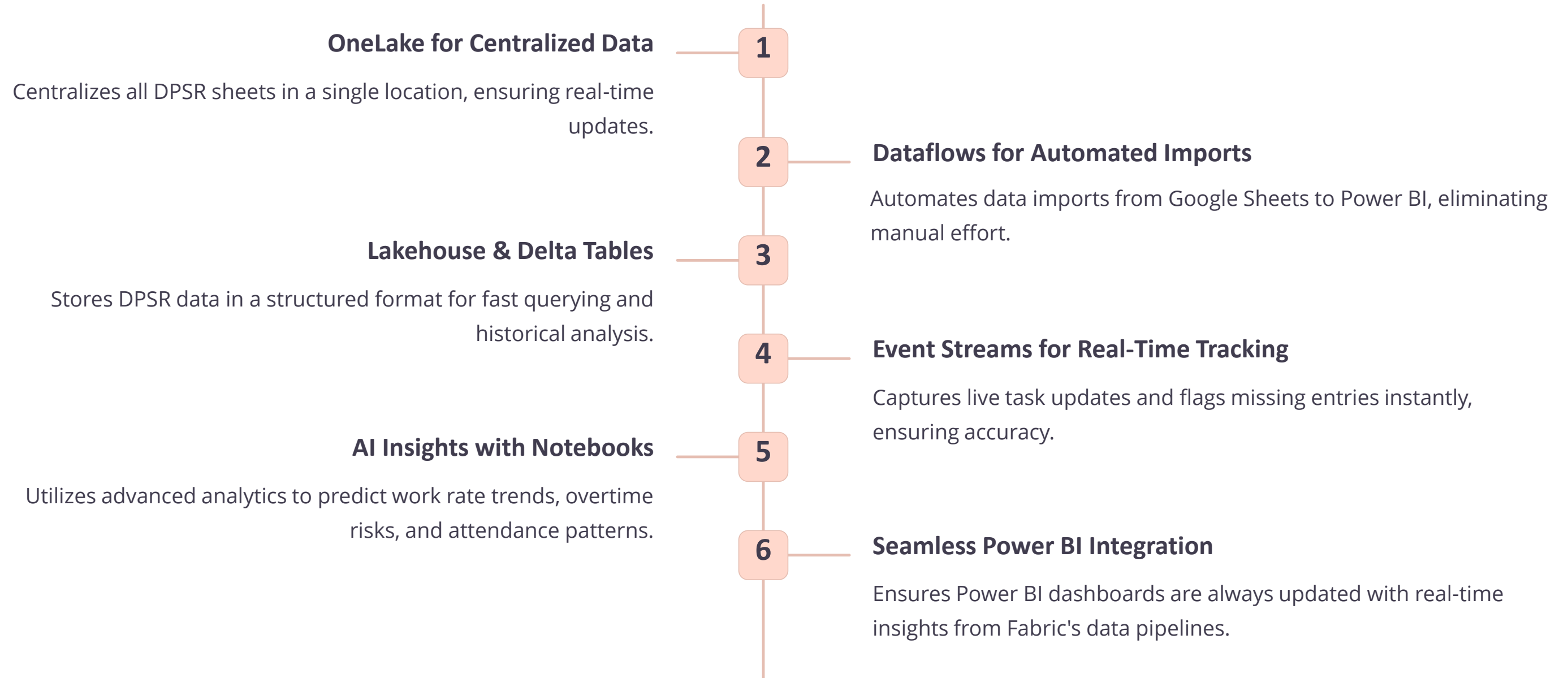


LSW Attendance

Tracks participation in Saturday workshops, ensuring consistent engagement.



Bridging the Gap: Introducing Microsoft Fabric for Enhanced Analytics



Benefits of Fabric Integration: Revolutionizing Data Management



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Manual Merging Eliminated

Fabric automates data consolidation, freeing up valuable time.

1

Real-Time Monitoring

Task status and work mode updates are instantly reflected in dashboards.

2

Data-Driven Decisions

AI-powered insights provide proactive recommendations for optimizing work processes.

3

Improved Dashboard Performance

Power BI runs smoothly without manual data imports, enhancing user experience.



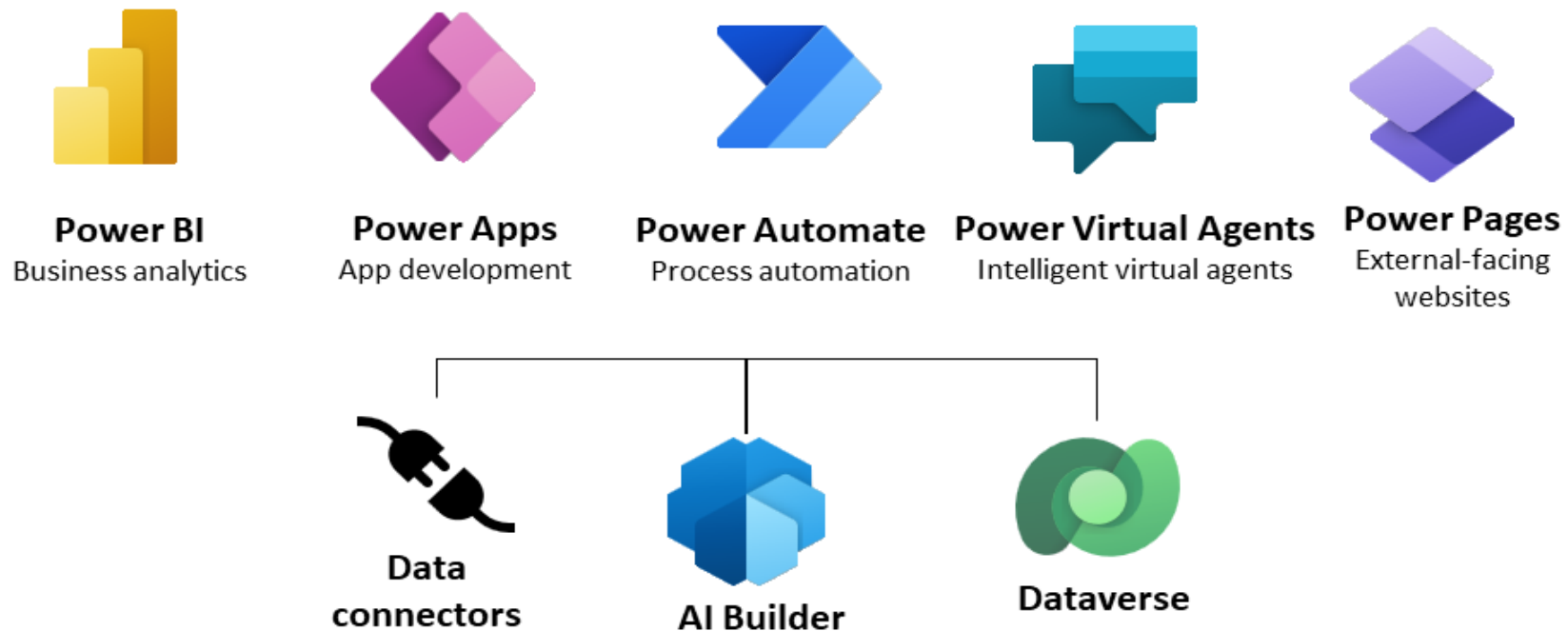


POWER APPS CASE STUDIES

MICROSOFT POWER PLATFORM ECOSYSTEM AT JYOTIRGAMAY SOLUTIONS



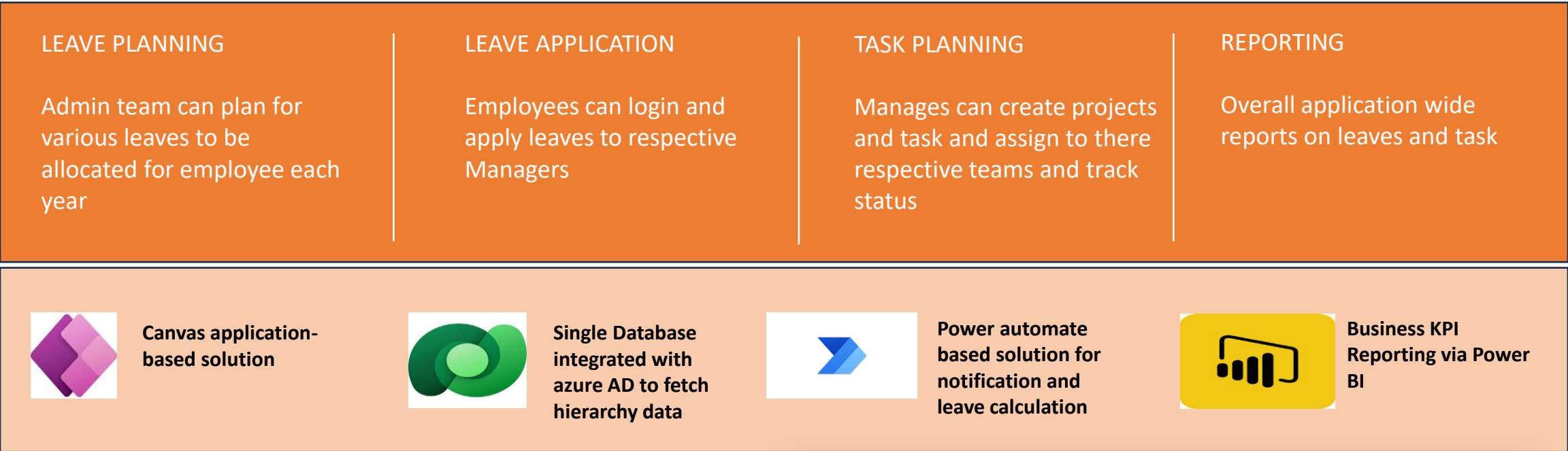
The low code platform that spans Microsoft 365, Azure, Dynamics 365, and standalone apps.





LEAVE AND TASK MANAGEMENT APP FOR SERVICE CLIENT

Client intended to implement canvas application for managing their teams leave and task to save cost since existing M365 license were used



My Profile

Name	Swarnim Parmar
Email	Swarnim@bitsquadsoft.onmicrosoft.com
Mobile Number	
Address	indore, madhya pradesh
City	indore
State	madhya pradesh

My Leave Balance

Leave Name	Leave Year	Total Leaves	Reamining Leave
Maternity Leave	2024	15	0
Sick leave	2024	5	5
Personal leave	2024	20	14
Vacation leave	2024	13	10
Casual Leave	2024	10	6
Public Holidays	2024	7	4
	2025	8	8

Users

Name	Role	Email
Aayush Malviya	Manager	Aayush Malviya
Sohail	Employee	Sohail
Aman yadav	Manager	Aman yadav
Swarnim Parmar	Employee	Swarnim Parmar
SS	Employee	SS
Mark	Employee	Mark
Yash	Manager	Yash





LEAVE AND TASK MANAGEMENT APP FOR SERVICE CLIENT

Client intended to implement canvas application for managing their HR Operations save cost since existing M365 license were used

NEW JOINER PLANNING

HR Admin can plan onboarding process and provide access to new joiner for self service

TRAVEL PLANNER

Employees can login plan and request their business trip, get approval and submit bills

NOTIFICATIONS

System sends notifications for all request and approvals

REPORTING

Overall application wide reports on leaves and task



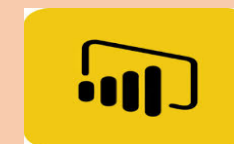
Canvas application-based solution



Single Database integrated with azure AD to fetch hierarchy data



Power automate based solution for notification and leave calculation



Business KPI Reporting via Power BI

All Employee										
Enter Employee Name										
Employee Name	Start Date	Work Email	Mobile Number	Department	Job Title	Manager	Office Number	Status	Edit	Delete
tyfy/fy/g	12/02/2024 00:00	ffef	8983	macha	dfef	Manager2	dfv	Approve		
vishakha verma	29/02/2024 00:00	vishu45@gmail.com	8096365657	vidgiga	machaninc	Manager3	fcwfcw324324	Approve		
vdcdv vdvd	15/02/2024 00:00	sfsgr@ff.com	9685544564	gdgbf	bh fbfg	Manager3	hdhhtbdt	Pending		
vishakha	06/03/2024 00:00	vishakhaverma8085@gmail.com	8085232966	mechanics	machanincal	Manager3	ofi2434	Approve		

Users			
Name	Role	Email	
Aayush Malviya	Manager	Aayush Malviya	
Sohail	Employee	Sohail	
Aman yadav	Manager	Aman yadav	
Swarnim Parmar	Employee	Swarnim Parmar	
SS	Employee	SS	
Mark	Employee	Mark	
Yash	Manager	Yash	



Operations team, HR Team, Employees



Two Apps Created



100 + Users



Improved Operations Time 70%



Industry IT Services



Location UAE



OPTIMIZING WORKFLOW FOR MULTIPLIED ROI (EFFICIENCY THOUGH AUTOMATION)

Process Bottlenecks: Workflow Pitfalls



Manual , inconsistant and delayed deployments :

Only 55% of product launches are on schedule. [src: Gartner Report]



Security vulnerability stats:

98% of web applications are vulnerable to attacks that can result in malware, redirection to malicious websites and more, [src:ptsecurity]

Infra- Overspending

94% of enterprises are overspending in the cloud [src:CIO.com]



Unplanned Application Downtime

A single hour of unplanned downtime could cost businesses anywhere from \$39,000 to \$2 million [src: Siemens Report].



Solution Offerings :

Efficiency Through Automation



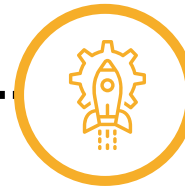
Automated Deliveries :

- Automat Builds
- Integration with CI/CD pipeline
- Testing Automation
- Application Security-Shifting Left



Secured Applications :

- SAST, DAST,SCA
- DAST
- IAC Scanning
- SCA
- Container Scanning



Optimized Infrastructure :

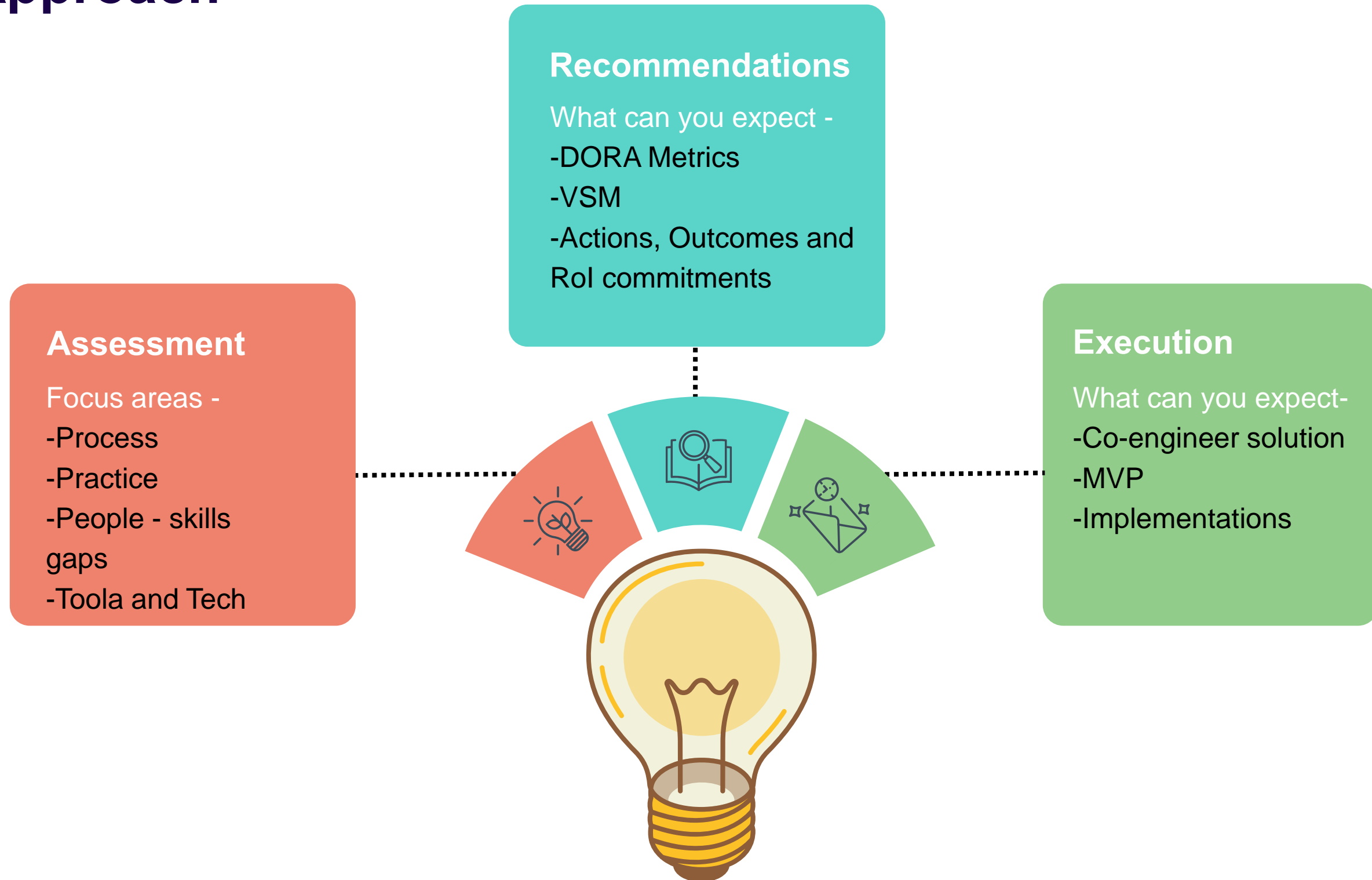
- Reduced Cloud Costs
- Secure Infrastructure
- High Scalability



Monitor & Operate:

- Continuous Monitoring
- App-Monitoring
- Infra-Monitoring
- Complete visibility through Application performance and Infra
- Incident response planning and mitigation

Our Approach



Assessment Report and Recommendations:



DORA Marching towards Elite Performance

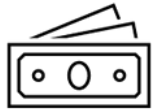
- Identification of relevant Metrics
- Tools and processes to collect and track DORA metrics
- Establishing baselines for each metric
- Identify trends and correlations between DORA metrics and other performance indicators.
- Pinpoint bottlenecks and areas for optimization
- Tailored recommendations for improvement.

Metrics	Elite	High	Medium	Low
Deployment Frequency	On-demand (multiple deploys per day)	Between one day and one week	Between once per week and once per month	Between once per month and once every six months
Lead time for changes	Less than One day	Between once per day and once per week	Between one week and one month	Between one month and six months
Time to restore service	Less than one hour	Less than one day	Less than one day	Between one week and one month
Change Failure Rate	0-15%	0-15%	0-15%	46-60%

Value Stream Mapping(VSM) : See the growth Materialize



Where to Add the capability?



What It Costs You?



What You Do?



How You Do?



Where is the bottleneck?

- End-To-End Visibility
- Identify the waste
- Prioritize Gaps to be addressed
- Develop a Roadmap for Improvement
- Optimize Practices
- Identify Constraints and Improvement Opportunities
- Optimizing Software Delivery Performance
- Benchmarking Performance across teams and industry
- Aligning software performance with business transformation goals
- Benchmarking Performance across teams and industry
- Sharing best practices and improving collaboration
- Customized Dashboard

Implementation



Pipeline

- Continuous delivery
- Continuous Integration
- Shift left security
- IDE
- Pre- commit hooks
- SAST
- DAST
- Container Security
- IaC

Security

- External Security Posture Management
- Apps Security
- Ransomware Protection
- SOC
- VAPT
- API Security

Infrastructure

- IaC - Self-Serve Infra
- FinOps
- Immutable Infrastructure

Observability

- Trained Based Monitoring
- Anomaly based Detection
- Coorrelation - Business, Application, Infrastructure, Change
- Proactive Detection



Delivering ROI

Our unique and client specific digital transformation approach has helped our clients to achieve



Reduced release cycles by
50-75% through automation



20-30% increase in
developer productivity



Shifting Left leading to **50%**
reduction in security incidents.



30-40% cost savings on
infrastructure



Streamlined Compliances with Automated
security scans ,data privacy regulations.

Tangible Benefits: ROI Multiplied



Security breaches are a major financial burden for businesses. Jyotirgamay Solutions offers a proactive solution that integrates security throughout the development lifecycle.



Enhanced Security:

- Identify and eliminate vulnerabilities early
- minimizing breaches
- financial fallout.



Accelerated Growth :

- Automation empowers developers
- enabling faster deployments
- quicker path to market success.



Amplified ROI :

- reduced costs
- faster time-to-market
- improved efficiency
- 20X return on investment.

“ Reduced Costs + Increased Revenue + Enhanced Efficiency = **Amplified ROI** “



Case Studies

Case study 1

Organization Automates the build and deployment process to three different environments

Challenge:

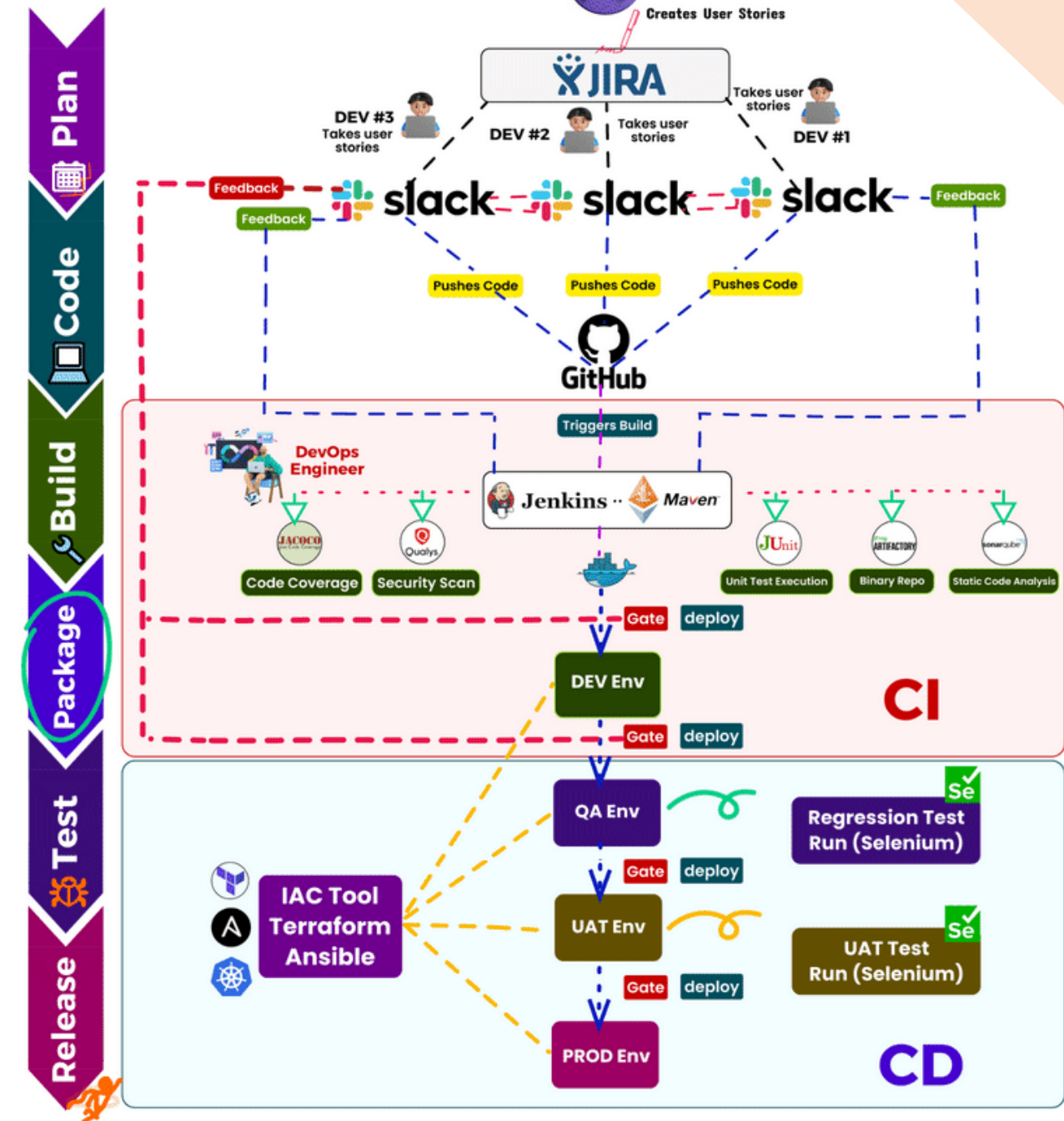
Manual deployment of applications to three different environments. (Dev, UAT, staging)

Business Solution:

Streamlined the deployment process of applications to all environments through automated CI/CD implementation.



CI/CD Process Flow Diagram



Case study 2

Organization Enhances User experience with Observability Solution

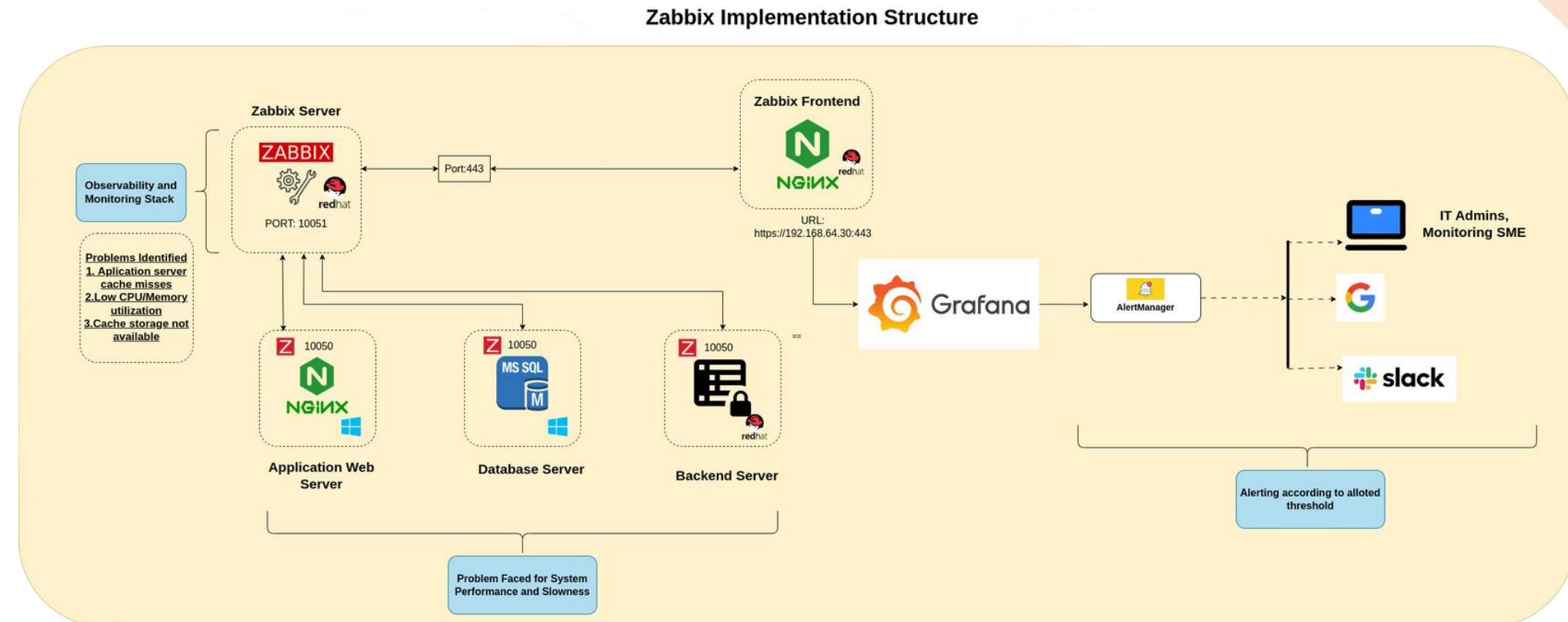


Challenge:

Unable to identify the causes of application slowdowns and application server downtimes, which affects user experience and impacts organizations reputation.

Business Solution:

Automated the deployment process of applications to all environments through CI/CD.



ZABBIX



Case study 3



FinTech Use Case:

Identifying vulnerabilities in code and docker images

Challenge:

Wanted to identify vulnerabilities on code-level and for docker images to ensure application security.

Business Solution:

Implemented code quality and container scanning using GitLab and identified vulnerabilities in both.



Banking Use Case:

Cloud based AWS setup

Challenge:

Regularly evaluate and adjust the size and type of cloud resources allocated to workloads. Also moving the operations from an on-premise setup to a cloud-based setup.

Business Solution:

With the help of cloud-based setup, the client was able to cut down costs, benefit of HA and had lower latency





Key Takeaways: A New Era of Work Tracking & Analysis

- 1** DPSR effectively standardizes work tracking, ensuring consistent data quality.
- 2** Power BI provides valuable insights into user performance, task completion, and attendance.
- 3** Microsoft Fabric automates data processing and enhances analytics, delivering real-time insights.
- 4** This combined solution empowers managers with data-driven decision-making capabilities.





Next Steps: Implementing the DPSR and Fabric Integration

Leveraging DPSR and Microsoft Fabric will significantly improve work tracking and analytics. It's time to start implementing this powerful solution to unlock new possibilities for your organization. Contact us today to discuss the implementation process and customize this solution to your specific needs.



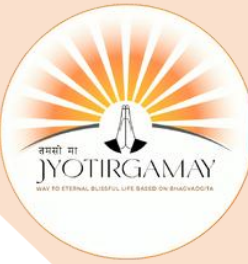
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Jyotirgamay Hanumanji Maharaj

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Sudhir Singh
Founder Coach



Dhirendra Negi
CTO



Rishabh Sawansukha
Chief Business Strategy Advisor



Prashant Pathak
Director



Avinash Sharma
Head of Deliveries

Associations

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Caring, Sharing, Growing

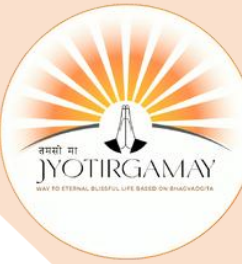
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