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[ijirset@gmail.com](mailto:ijirset@gmail.com)

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# ISM Portal- An Application of SharePoint in Industry

Suchita Bedre<sup>1</sup>, Prof. Sarita Verma

PG Student, Department of ETC, MIT, Aurangabad (MS), India<sup>1</sup>

Asst. Professor., Department of ETC, MIT, Aurangabad (MS), India<sup>2</sup>

**ABSTRACT:** This article demonstrates the steps of an actual in-production system that any SharePoint admin/site developer can provide an employer with little to no code. The concept is the use of multiple applications to provide a complete solution, using little to no code if possible. This helps to keep costs down and provides a quick solution for non-critical application needs. The .NET custom code to push SharePoint into the application area, making the SharePoint site a front end for data processing through custom code. Depending on the requirements of the application, the use of code may be the only way to get a solution into production. Something to consider is just like a coder has his/her tools in whatever development package used (such as Visual Studio); a non-coder (admin/power user) can also use (multiple applications combined) tools to provide solutions in the SharePoint.

**KEYWORDS:** SharePoint, ISM portal, Resolution Efficiency, .NET custom code.

## I. INTRODUCTION

SharePoint is a platform to support collaboration and content management system. It is a central web-based portal. Using SharePoint, you can manage your colleague's and your own documents, social activities, data, and information. It allows groups to set up a centralized, password-protected space for document sharing. Documents can be stored, downloaded and edited, then uploaded for continued sharing.

SharePoint consists of three areas Collaboration: Bringing people together through different types of collaboration for e.g. enterprise content management, Interoperability: Bringing this collaboration together through interoperability for e.g. Office and web-based document integration and Platform: A solid set of developer tools, and a growing developer community. SharePoint is a platform to support collaboration and content management system. It is a central web-based portal. Using SharePoint, you can manage your colleague's and your own documents, social activities, data, and information.

- It allows groups to set up a centralized, password-protected space for document sharing. .
- Documents can be stored, downloaded and edited, then uploaded for continued sharing.
- SharePoint offers such a wide array of features that it is very challenging for any one person to be an expert across all the workloads

Key Features of SharePoint Foundation Following are some of the major features, which are responsible for its wide adoption in businesses.

- Effective document and task collaboration.
- Reduced implementation and deployment resources.
- Better control of your organization's important business data.
- Embrace the web for collaboration

## II. SHAREPOINT V/S OTHER PLATFORM

Microsoft SharePoint is a platform that is web based and used for real time collaboration and document management. Its capabilities are wide scope and despite its versatility, its fundamental function is used to communicate information across organizations and store documents.

There are differences between OneDrive and SharePoint just like difference between Microsoft Teams and SharePoint. There are many features that appear to be based on the same basic premise – cloud service and work collaboration. However, we know both of them are different and hence everyone must know some subtle differences that have a significant impact on how they're used. They both excel in certain contexts, but in many others, they complement one



another [16]. Following table 1 basic difference between SharePoint and OneDrive and table 2 shows some basic difference between SharePoint and other platform.

Table 1. Basic difference between SharePoint and OneDrive

Parameter	SharePoint	Onedrive
Compatibility	Collaborative system on cloud as well as on premise	Provides cloud storage for a team
Accessibility	Internet access is mandatory	Internet access is mandatory
Rights and safety	Anyone can managed it who has Azure Active Directory system properties and permissions	You need to have permission of file sharing and Azure Active Directory system to access any file
Storage	Free plus in addition you can have more than 15TB data storage capacity	Mostly free and with paid version, you can have capacity of 5GB as free and later upto 6TB storage based on purchased subscriptions

Table 2 Basic difference between SharePoint and other platform

Parameter	Alfresco	OpenDocMan	Zoho	Sharepoint
FlowWork	Yes	No	No	Yes
Social Networking	Yes	No	No	Yes
Calender	No	No	No	Yes
Timeline post	Yes	No	No	Yes
Indexing	No	No	No	Yes
Digital Signature	No	No	No	Yes
Statistics panel	No	No	Yes	Yes
Duplicates Detection	No	No	No	Yes

### III. SYSTEM DEVELOPMENT

Presently service provider relationship is BAU (No Survey/improper support). To improve assurance support we have to start individual survey of ticket and feedback sharing with provider. Project is taken to improve supplier relationship in assurance support and with this survey mechanism we will achieve it. Focused areas are improvement in KCM with respect to provider. Phase 1 will be: Adoption of process to team members, start the survey of individual ticket and Review with providers.

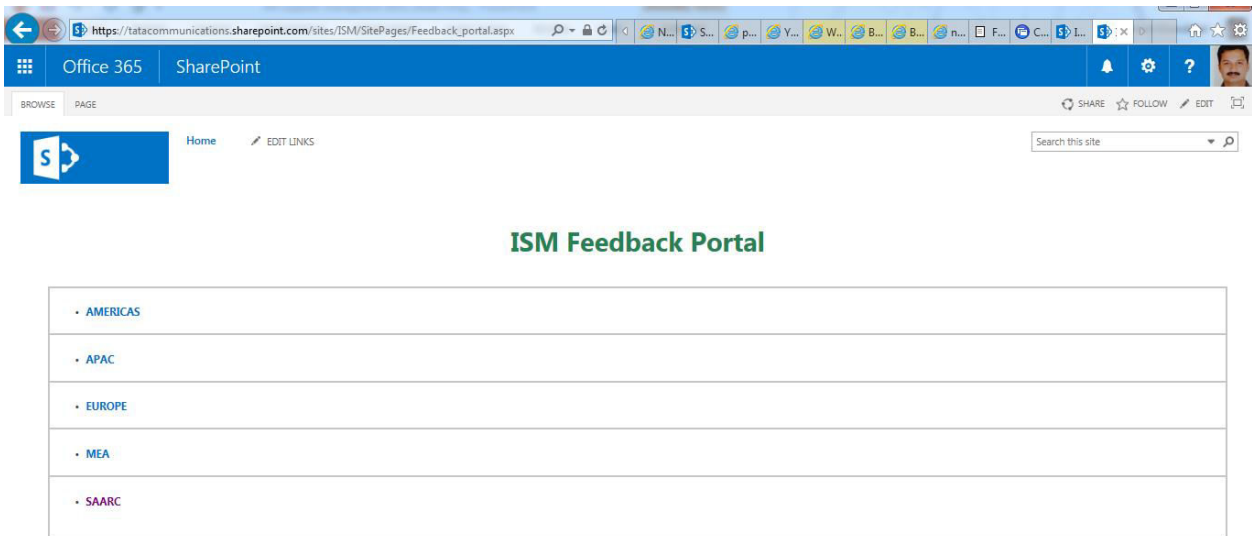


Figure 2 ISM Feedback Portal

By using ISM Feedback portal, it has been observed sudden increase in performance of the provider. SharePoint is the basic need for this portal and proved to be very efficient in every aspect. It reduces the documentation work and hence leads to effective data storage in order to maintain records.

#### IV. CONCLUSIONS

Because SDH frames are byte synchronized rather than bit synchronized, synchronization is an issue. Although the master slave and SEC techniques are used, bit stuffing is used for low data rate signals. This paper mostly provide an overview of various Ethernet-over-SDH (EoS) technologies and the problems in synchronization of the different data rate signals in single clock, and master slave technique used to overcome these problems.

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